M.O FORM 2373

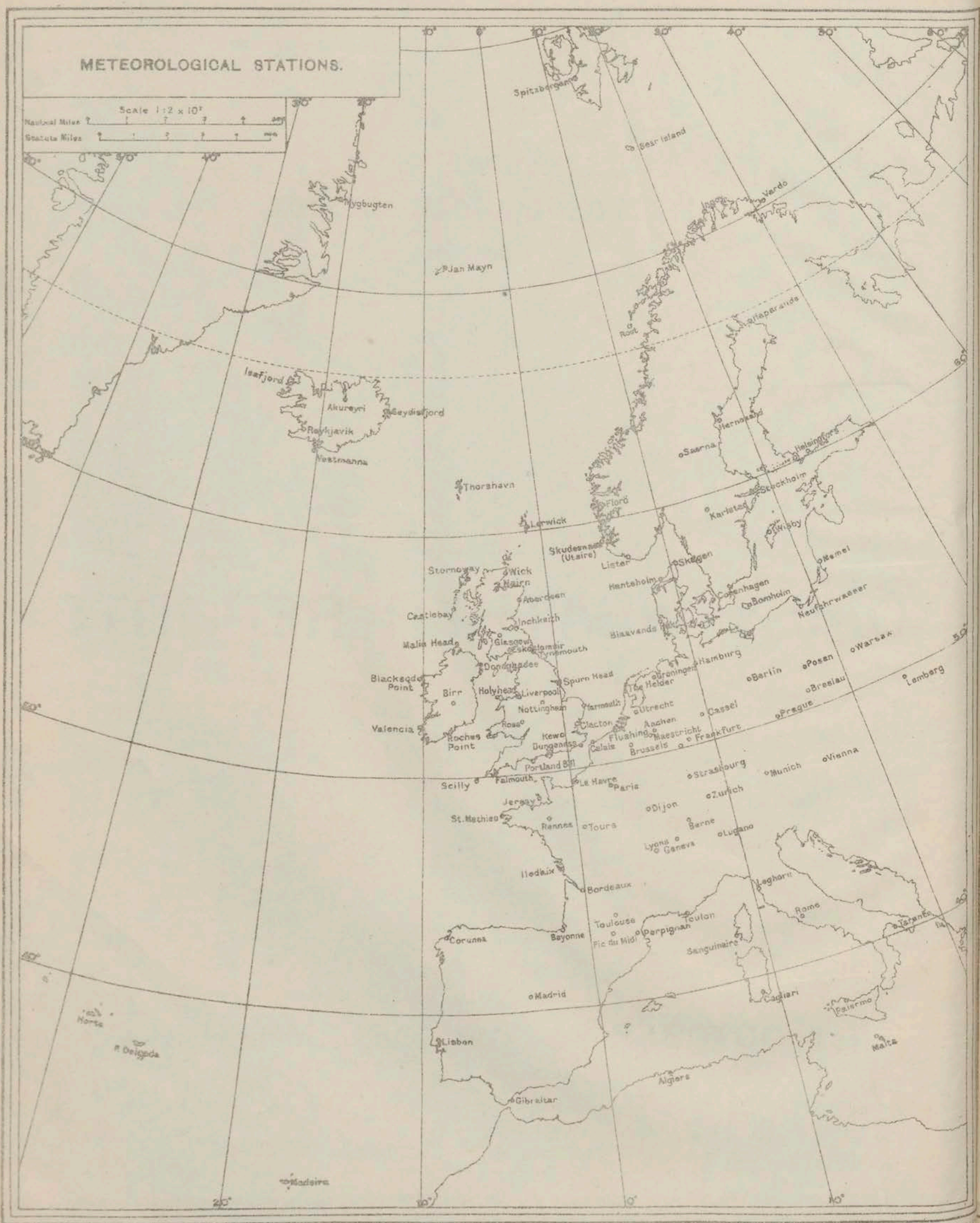
AIR MINISTRY.

METEOROLOGICAL OFFICE.

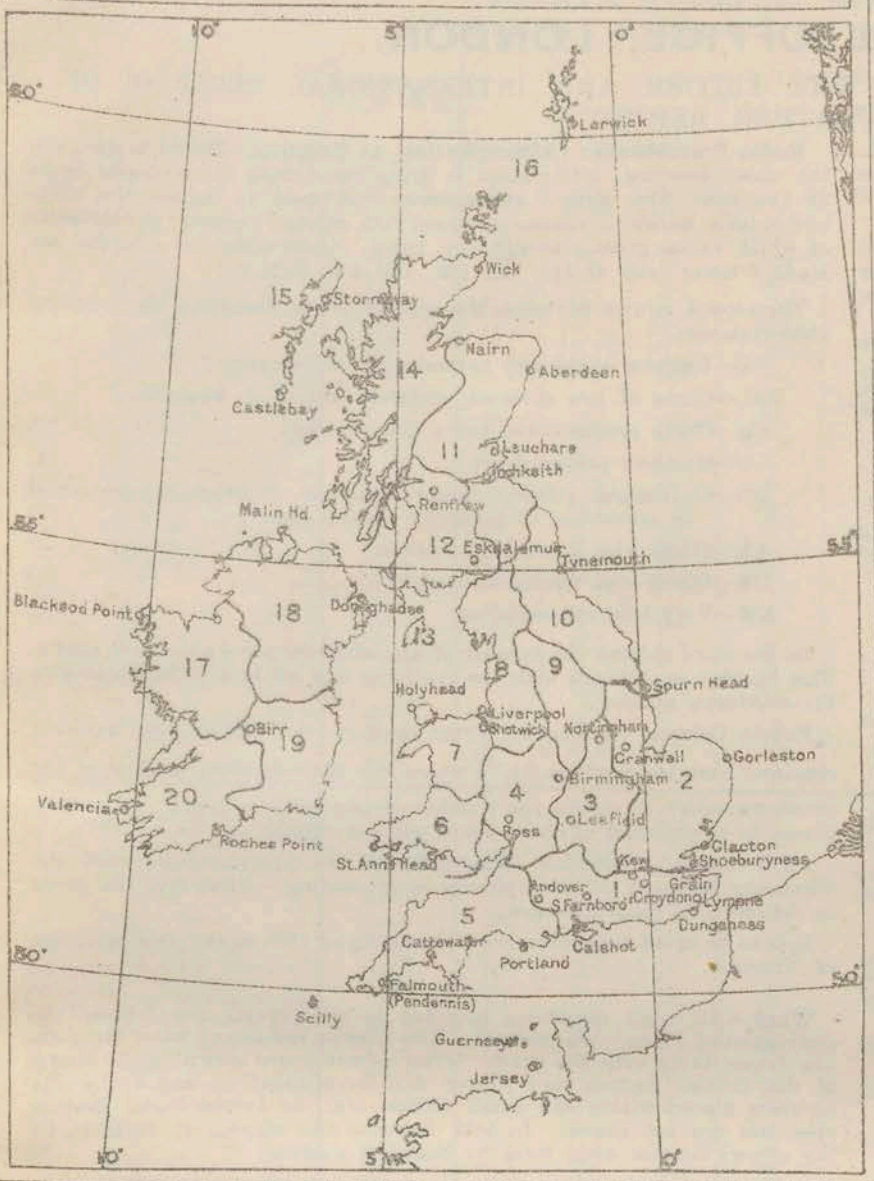
LONDON.

DAILY WEATHER REPORTS

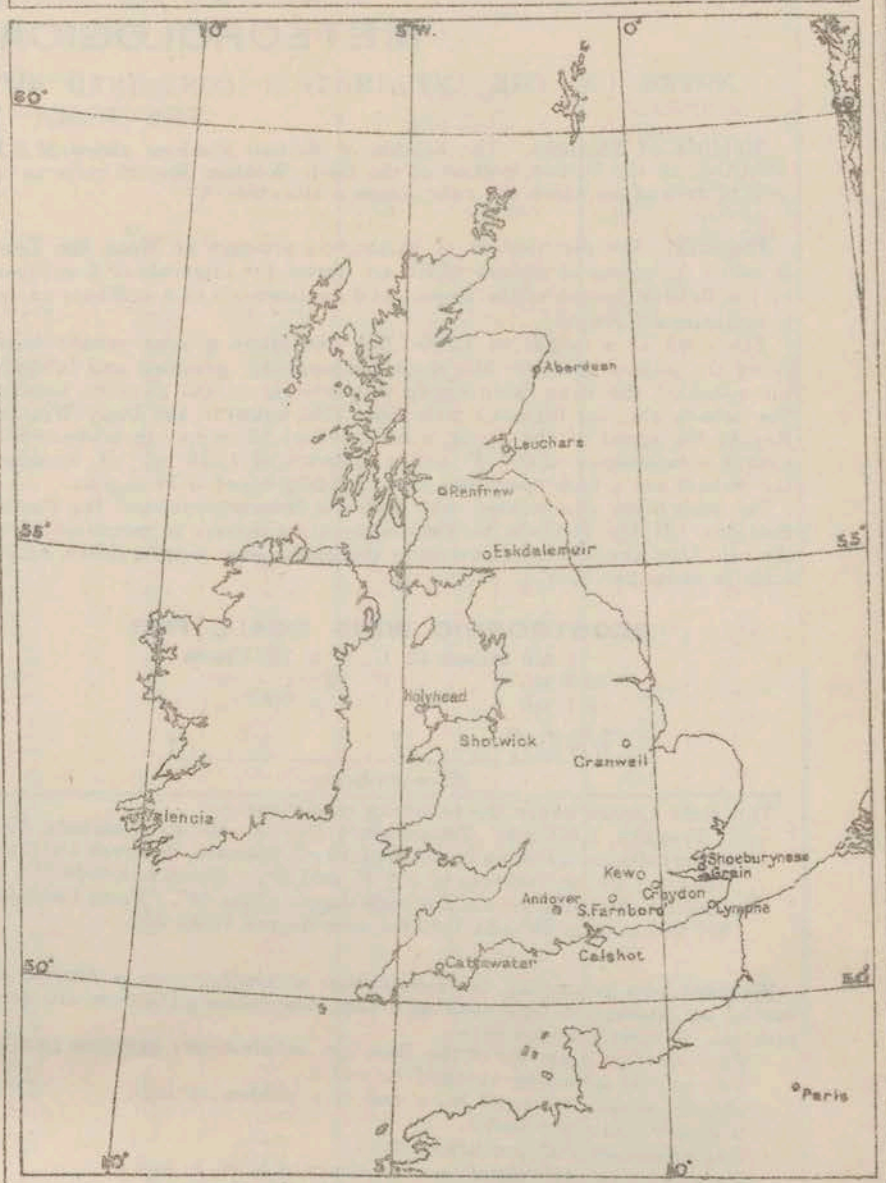
1ST. OCTOBER TO 31ST. DECEMBER, 1923.

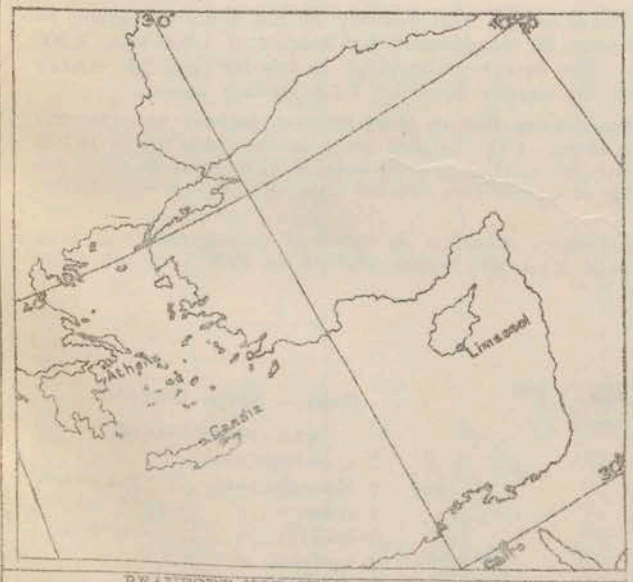

METEOROLOGICAL STATIONS.
Scale 1:2 x 10⁷
Nautical Miles
Statute Miles
Spitzbergen
Cape Sesr Island
Vardo
Mygbugten
Jan Mayn
Röst
Grisparaiden
Isafjord
Akureyri
Seydisfjord
Reykjavik
Vestmanna
Thorshavn
Vernoesund
Helsingfors
Saarna
Stockholm
Karlstad
Wisby
Lerwick
Florö
Skudesnaes (Utsire)
Lister
Skagen
Kamel
Stornoway
Wick
Nairn
Aberdeen
Hanteholm
Copenhagen
Bornholm
Neufahrwasser
Castlebay
Inchkeith
Malin Head
Glasgow
Skeldomir
Tynemouth
Donaghadee
Blaavands
Hamburg
Warsaw
Posen
Berlin
Lemberg
Blackcodo Point
Spurn Head
Groningen
Helder
Birr
Holyhead
Liverpool
Breslau
Nottingham
Harmouth
Utrecht
Cassel
Prague
Valencia
Roches Point
Rose
Clacton
Aachen
Flushing
Maestricht
Frankfurt
Kewo
Dungeness
Calais
Brussels
Portland Bill
Falmouth
Scilly
Le Havre
Paris
Strasbourg
Munich
Vienna
Jersey
Zurich
St. Mathieu
Rennes
Tours
Dijon
Berne
Lugano
Lyons
Geneva
Ile d'Aix
Bordeaux
Leghorn
Rome
Toulouse
Toulon
Tarento
Corunna
Bayonne
Pic du Midi
Perpignan
Sanguinaire
Madrid
Cagliari
Palermo
Horta
P. Delgada
Lisbon
Malta
Algiers
Gibraltar
Madeira

FORECAST DISTRICTS AND BRITISH STATIONS.



STATIONS USED FOR UPPER AIR SUPPLEMENT.





THE BEAUFORT SCALE OF WIND FORCE.

Beaufort Number.	Admiral Beaufort's General Description of Wind.	Specification for use on Land, based on observations made at Land Stations.	Limits of Mean Velocities Statute Miles per Hour.
0	Calm	Calm ; smoke rises vertically	Less than 1
1	Light air ..	Direction of wind shown by smoke drift	1-3
2	Slight breeze ..	Wind felt on face ; leaves rustle	4-7
3	Gentle breeze ..	Leaves and small twigs in constant motion ; wind extends light flag	8-12
4	Moderate wind	Raises dust and loose paper ; small branches are moved ..	13-18
5	Fresh wind ..	Small trees in leaf begin to sway ; crested wavelets on inland waters	19-24
6	Strong wind ..	Large branches in motion ; whistling heard in telegraph wires	25-31
7	High wind ..	Whole trees in motion ; inconvenience felt when walking against wind	32-38
8	Gale	Breaks twigs off trees ; generally impedes progress ..	39-46
9	Strong gale ..	Slight structural damage occurs (chimney pots and slates removed)	47-54
10	Whole gale ..	Seldom experienced inland ; trees uprooted	55-63
11	.. .. ..	Very rarely experienced ; accompanied by widespread damage	64-75
12	Hurricane ..	.. ..	Above 75

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. h hail. KQ line squall.
l lightning. o overcast sky.
m mist, visibility 1000—10000 m.
f fog, " 200—1000 m.
F thick fog " less than 200 m.
p precipitation within sight of station.
p passing showers r rain.
s snow. rs sleet. t thunder.
v unusual visibility. y dry air.
z dust haze; the turbid atmosphere of dry weather.

With present weather is combined, whenever possible, the general character of the weather.

A "solidus" divides actual existing weather from preceding conditions, thus :—bc/r = fair weather after rain ; i = intermittent ; — = "decreasing" ; + = "increasing" ; h(r) = "hail" or "rain and hail" ;

Capital letters indicate intense, suffix o indicates slight and repetition of letters continuity, thus :—

R = heavy rain.
rr = continuous moderate rain.
$r_o r_o$ = continuous light rain.

GALE WARNINGS.

The Meteorological Office issues warnings to ports and fishing stations of gales on or near the coasts of the British Isles. When one of these notices has been received at a station a black canvas cone is hoisted.

The *South Cone* (point downwards) is hoisted for gales from S.E., veering to S.W., W. or N.W.
" S.W., veering to W. or N.W.
" W., veering to N.W.
" E., veering to S. or S.W.

The *North Cone* (point upwards) is hoisted for gales from S.E., E. or N.E., backing to N.
" N.W., veering to N., N.E. or E.
" N., veering to N.E. or E.
" N.E., veering to E.

The Signals remain hoisted after the receipt of a warning telegram until danger of a gale is passed.

The Districts to which warnings are sent are shown in the British Section of the Daily Weather Report by the following symbols :—

▼ South Cone hoisted
▲ North " "

AIR MINISTRY.

METEOROLOGICAL OFFICE, LONDON.

NOTES ON THE INFORMATION CONTAINED IN THE BRITISH AND INTERNATIONAL SECTIONS OF THE DAILY WEATHER REPORT.

Heights of Stations.—The heights of British Stations above M.S.L. published in the British Section of the Daily Weather Report refer to the plot of ground on which the rain gauge is situated.

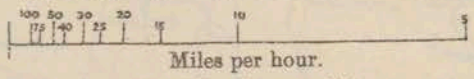
Pressure.—The distribution of barometric pressure at Mean Sea Level is shown by means of isobars which are drawn for intervals of 2 millibars on the British Section of the Report and for intervals of 4 millibars on the International Section.

The wind at a height of 1,500–2,000 feet above ground usually blows *along* the isobars and, for the same temperature, pressure and latitude, the speed of the wind is inversely proportional to the distance between the isobars, *e.g.*, for isobars 1 inch apart (160 miles) in the Daily Weather Report the speed of the upper wind is about 12 m.p.h. in latitude 55°, with a temperature of 50° F. and a pressure of 1,015 mb; if, however, the isobars are ½ inch apart the corresponding speed is 24 m.p.h.

The scale below can be used with both the International and the British Sections. If the distance between consecutive isobars is measured along the rule from the left-hand extremity the geostrophic wind is shown by the scale in miles per hour.

GEOSTROPHIC WIND SCALE FOR

4 mb isobars on $1 : 2 \times 10^7$ Charts.
or 2 mb " " $1 : 10^7$ "
or 1 mb " " $1 : 5 \times 10^6$ "



Miles per hour.

This scale applies under the following conditions:—

Pressure, 1,015 mb. Temperature, 283° A=50° F. Latitude, 55°.

Corrections.—For an increase of 10 mb pressure, subtract 1% from velocity; for an increase of 10° F. add 2%. From Latitude 55° to Latitude 65° subtract 1% for each degree *above* 55°. From Latitude 55° to Latitude 45° add 1½% for each degree *below* 55°.

Weather.—In describing the distribution of weather over a district or during an interval of time such as a day, descriptive adjectives are used with the following meanings:—

Fine—mainly b and bc of the Beaufort notation (*see* previous page).
Fair or fair generally—mainly bc and c.
Cloudy—combinations of bc, c and o, c predominating.
Overcast—mainly c and o.
Dull—overcast with low heavy cloud.
Varying or variable cloud—combinations of b, bc, c, and o.
Precipitation when occurring is specifically mentioned.

Temperature.—Temperature is specified in degrees Fahrenheit, and is shown on the charts by means of figures written alongside the circles which indicate the positions of the stations.

Maximum and Minimum Temperatures entered in the British Section for Liverpool (Bidston) since 1st March, 1921 have been for the 22 hour period commencing at 9 a.m. the previous day.

Upper Air Temperature.—The British observations are made normally, one at 1,000 feet above the level of the aerodrome, and the remainder at *pressures* of 950, 900, 850, 800, etc., millibars. Heights are then computed and, apart from instrumental error, are correct heights: they do not require modification for differences of temperature from normal as these are allowed for in the computation. The values are shown graphically and in tabular form in the Upper Air Supplement. On the diagram, temperatures are given in degrees Fahrenheit and Absolute. The lines marked "Anti-cyclonic," "Cyclonic," "Summer," and "Winter," indicate the normal fall of temperature with pressure under the conditions indicated. The oblique line marked "Adiabatic" shows the lapse rate of temperature for dry air ascending or descending under adiabatic conditions, i.e., without communication of heat from external sources. The lapse rate under these circumstances is very approximately 5·5° F. per 1,000 feet, or 10a per kilometre. A lapse rate greater than this value indicates instability of the atmosphere.

Times of Sunrise, Noon and Sunset.—In compiling the table of Greenwich times of sunrise and sunset for selected stations in the British Section of the Daily Weather Report the mean declination of the sun for noon of each day is taken. No account is taken of the variation in declination on any given day as between leap year and the three following years, the same figures being repeated from year to year without change.

Radio Disturbances (Atmospherics) at Croydon.—In the table under the above heading, information is given concerning atmospherics heard at Croydon. The term "atmospherics" is used to denote the clicks and crashes which are commonly heard in a wireless receiver, the intensity of which varies greatly at different times. Observations at Croydon are made 4 times daily at 1h., 7h., 13h. and 18h. G.M.T.

The second column indicates the type of sound heard, by the following abbreviations:—

C—Uniform clicks and normal quiet distribution.
C_1C_2—Clicks of two obviously different orders of intensity.
Cg—Clicks predominant but a few grinders.
G—Grinders predominant.
GG—Continuous grinders whose minimum direction can be found by estimation of intensity without counting.
Ck—Clicks with a few loud crashes.
CK—Clicks with numerous crashes.
KK—Very loud atmospherics.

In the third column the number of atmospherics per 4 seconds is shown. This number is obtained with the receiving coil set in a direction to give the maximum number.

Fourth Column. Strength. From January 1st, 1923, strength has been obtained from the formula $S = \frac{10}{r}$ where r is the resistance in ohms of the shunt necessary to reduce the number of atmospherics heard in the telephone to one quarter of those heard without shunt.

Fifth column. Direction. This indicates the direction from which the maximum intensity of atmospherics is proceeding. Directions are given in degrees (*see* diagram below).

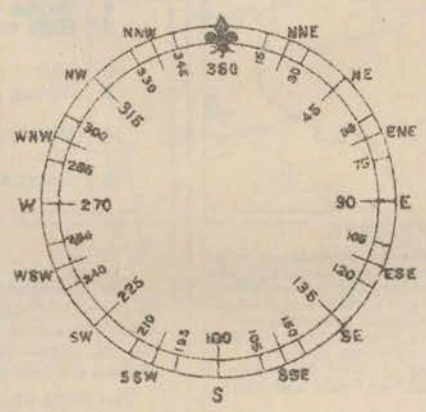
It is to be noted that there is an ambiguity of 180° in the determination of direction.

Wind.—All wind directions specified in the reports are "true," as distinguished from "magnetic." The arrows indicating wind direction are drawn to fly with the wind. Wind velocities are shown on the charts of the British Section and Upper Air Supplement in m.p.h. by the numbers placed within the small circles. In the International Section velocities are not shown. In both Sections the number of feathers on the arrows denotes wind force by Beaufort number.

Upper Winds.—The direction and velocity of the wind are given in the charts of the Upper Air Supplement for heights of 1,000 feet, 3,000 feet, and 6,000 feet. The data are also given in tabular form for various heights. The reports are usually based on Pilot Balloon ascents.

Wind reports deduced from British Pilot Balloon Ascents refer to the 1,000 feet layers centering at the heights given in the table up to 16,000 feet. When winds are reported at greater heights, they refer to the 5,000 feet layers centering at 20,000 feet, 25,000 feet, 30,000 feet and 35,000 feet.

In the tabular statement direction is specified in degrees from true north measured through East 90°, South 180°, West 270° to North 360°. (*See* diagram below.)



Note.—Ships' Reports.

SEA DISTURBANCE.

0 No or slight swell.
1. Moderate swell.
2. Heavy "
3. Long low "
4. Confused "
} and } Sea smooth to moderate.

5. No or slight swell.
6. Moderate "
7. Heavy "
8. Long low "
9. Confused "
} and } Sea, rough or above.

DAILY WEATHER REPORT. APPENDIX I.

NORMAL VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE.

FOURTH QUARTER, OCTOBER TO DECEMBER.

(Issued as a Supplement to the Daily Weather Report of October 1st.)

Month	STATIONS.	PRESSURE 1906–1915. 7 a.m. Observations (reduced to M.S. Level).	AIR TEMPERATURE. Means of 1906–1915. Dry Bulb 7 a.m.	Means of 1881–1915. Daily Maximum.	Means of 1881–1915. Daily Minimum.	Absolute Extremes 1881–1915. Maximum. Temp.	Maximum. Year.	Minimum. Temp.	Minimum. Year.	RAINFALL 1881–1915. Days with Rain.	Total Fall.		BRIGHT SUNSHINE. 1881–1915. Daily Mean.	Per Centage of Possible Duration.
		mb.	°F.	°F.	°F.	°F.		°F.			mm.	in.	hr.	%
OCTOBER.	Lerwick	1011·2	47·3	50·1	42·3	63	1908	28	1887	24	100	3·95	—	—
	Stornoway	1010·0	47·1	52·2	41·2	70	1898	27	1892	23	132	5·18	2·77	28
	Castlebay (Barra Isd.)	[1011·6]§	[50·5]§	[53·6]§	[47·7]§	[63]§	[1908]§	[34]§	[1909, 1913]§	[20]§	[86]§	[3·39]§	[2·55]§	[25]§
	Eskdalemuir	[1014·4]¶	[42·4]¶	[51·5]‖	[38·5]‖	[65]‖	[1910]‖	[19]‖	[1911]‖	[15]‖	[100]‖	[3·93]‖	[2·39]‖	[23]‖
	Malin Head	1009·3	49·3	[53·2]*	[45·6]*	[73]*	[1908]*	[32]*	[1892]*	[20]*	[75]*	[2·95]*	—	—
	Blacksod Point	1009·4	51·0	[54·7]*	[46·0]*	[71]*	[1908]*	[29]*	[1905]*	[23]*	[127]*	[4·99]*	—	—
	Valencia	1010·2	51·2	56·4	46·6	71	1908	28	1892	22	142	5·57	3·26	31
	Roche's Point	1011·2	51·0	56·2	46·4	65	1884, 86, 1914, 15	32	1881	19	104	4·09	—	—
	Birr Castle	1010·7	46·8	55·0	40·7	74	1908	22	1905	18	74	2·91	3·16	30
	Donaghadee	1011·3	49·2	54·3	44·3	66	1898	21	1892	18	73	2·88	—	—
	Liverpool (Observatory)	1012·5	47·9	54·1	44·8	73	1908	27	1895	18	83	3·27	[2·81]§	[27]§
	Holyhead	1011·5	51·3	55·1	46·9	75	1908	32	1892	19	101	3·99	[2·87]**	[28]**
	Pembroke (St. Ann's Hd.)	1011·4	51·6	55·6	48·1	67	1908	33	1895	19	106	4·19	3·29	31
	Scilly (St. Mary's)	1011·3	53·2	57·5	50·1	69	1895	38	1895, 1896	21	93	3·66	3·81	36
	Falmouth	1012·5	51·0	56·3	47·7	67	1895	33	1895	21	126	4·96	3·74	35
	Jersey (St. Aubin's)	1013·3	53·4	59·0	49·1	76	1908	33	1887	20	116	4·55	4·06	38
	Portland Bill	1012·2	53·8	56·9	48·8	[67]†	[1908]†	[35]†	[1905, 1908]†	17	94	3·68	—	—
	Dungeness	1013·2	52·1	57·4	46·0	70	1886, 1908	23	1890	17	89	3·52	—	—
	Dover	[1015·5]§	[50·7]§	[57·5]§	[46·6]§	[74]§	[1908]§	[30]§	[1909]§	[18]§	[106]§	[4·18]§	[3·81]§	[36]§
	Wick	1011·0	47·0	52·2	41·0	73	1898	22	1885	21	75	2·96	-	—
	Nairn	1010·9	44·2	53·1	39·0	76	1908	19	1896	19	60	2·35	[3·29]⫲	[33]⫲
	Aberdeen	1012·2	46·6	52·8	41·7	74	1883	25	1880	20	76	3·00	3·06	30
	Leith	1011·9	47·7	54·8	42·1	75	1908	25	1894	17	61	2·41	—	—
	Tynemouth	1012·6	47·9	54·1	42·4	77	1908	27	1890, 92, 95, 1909	17	76	3·01	—	—
	Spurn Head	1012·8	50·7	54·6	45·9	70	1900	33	1887, 1895	17	61	2·40	[2·68]**	[26]**
	Yarmouth	1013·6	50·6	55·2	45·3	74	1900, 1908	27	1895	18	74	2·93	[3·35]§	[32]§
	Clacton-on-Sea	1013·7	51·0	55·7	45·7	[71]‡	[1908]‡	[29]‡	[1905]‡	14	49	1·91	3·61	35
	Nottingham	1013·3	46·6	55·3	41·7	78	1908	20	1890	19	63	2·49	2·68	26
	LONDON (Kew Obsy.)	1013·9	48·5	56·2	43·5	77	1886	25	1881, 1895	17	69	2·70	2·97	28
NOVEMBER.	Lerwick	1005·3	42·3	46·2	38·9	58	1901	24	1912	25	108	4·25	—	—
	Stornoway	1007·2	42·1	47·6	38·0	58	1897, 1901, 02	21	1912	24	148	5·83	1·43	19
	Castlebay (Barra Isd.)	[1007·8]§	[45·4	[48·5]§	[41·6]§	56]§	1914]§	[28]§	1912]§	[24]§	[101]§	[3·96]§	[1·57]§	[20]§
	Eskdalemuir	[1009·4]¶	[37·6]¶	[43·2]‖	[32·1]‖	54]‖	1914]‖	[6]‖	[1912]‖	[20]‖	154]‖	[6·05]‖	2·03]‖	[25]‖
	Malin Head	1008·4	44·6	[48·6]*	[41·7]*	59]*	[1894, 99, 1906]*	[30]*	[1909, 1912]*	[21]*	[83]*	[3·28]*	—	—
	Blacksod Point	1010·3	46·1	[50·2]*	[42·0]*	60]*	[1897, 1899]*	[26]*	[1890]*	[24]*	[132]*	[5·21]*	—	—
	Valencia	1012·4	46·3	52·0	42·9	63	1881	27	1890, 96, 1901	23	139	5·46	2·17	25
	Roche's Point	1013·0	45·5	51·4	42·5	61	1908, 1909	27	1890	19	107	4·20	—	—
	Birr Castle	1011·8	40·6	49·3	36·8	64	1912	17	1909	19	79	3·10	2·13	25
	Donaghadee	1010·4	43·7	49·4	40·1	60	1894, 1909	27	1883	19	77	3·04	—	—
	Liverpool (Observatory)	1011·6	42·5	48·5	40·2	61	1894, 95, 99	25	1901, 05, 15	18	64	2·50	[2·27]§	[27]§
	Holyhead	1011·3	46·3	50·2	42·9	62	1881	29	1915	19	105	4·14	[2·50]**	[30]**
	Pembroke (St. Ann's Hd.)	1012·2	46·7	51·1	43·9	60	1911	28	1890	20	97	3·80	2·17	25
	Scilly (St. Mary's)	1013·2	48·7	53·2	46·3	61	1898	29	1890	20	83	3·27	2·50	28
	Falmouth	1013·9	46·1	51·6	43·9	60	1895, 1897	22	1890	20	122	4·80	2·53	29
	Jersey (St. Aubin's)	1014·2	47·9	53·0	44·3	66	1899	16	1890	21	104	4·08	2·53	28
	Portland Bill	1012·7	47·7	51·7	44·3	[61]†	[1900]†	[29]†	[1912]†	14	66	2·58	—	—
	Dungeness	1012·2	44·4	50·7	40·7	63	1899	17	1890	16	70	2·75	—	—
	Dover	[1012·9]§	42· §	[48·9]	[38·6]§	[60]§	[1914]§	[25]§	[1911]§	[16]§	[78]§	[3·07]§	[2·90]§	[33]§
	Wick	1006·6	41·5	46·9	37·0	62	1900	12	1909	20	80	3·14	—	—
	Nairn	1007·5	39·8	46·9	35·4	62	1906	12	1904	19	60	2·36	[1·70]⫲	[22]⫲
	Aberdeen	1008·3	40·7	46·8	37·4	62	188[illegible]	14	1909	19	75	2·95	1·83	23
	Leith	1009·0	42·0	48·5	38·0	63	1885	18	1885	15	50	1·95	—	—
	Tynemouth	1009·9	41·8	48·4	38·1	62	1894	20	1912	16	54	2·13	—	—
	Spurn Head	1010·4	43·8	48·2	40·8	61	1894, 1895	28	1884	16	47	1·85	[1·90]**	[23]**
	Yarmouth	1011·6	43·3	48·5	39·6	60	1895, 98, 99, 1904	23	1890	18	61	2·41	[2·33]§	[27]§
	Clacton-on-Sea	1012·4	43·0	48·5	39·7	[60]‡	[1908]‡	[25]‡	1904]‡	15	47	1·86	2·33	27
	Nottingham	1011·9	40·7	48·4	37·1	63	1895	13	1904	19	48	1·88	1·37	16
	LONDON (Kew Obsy.)	1013·2	41·9	49·1	38·8	52	1881, 94, 95	21	1901	16	56	2·22	1·73	20
DECEMBER.	Lerwick	1000·9	40·4	43·6	36·6	53	1890, 1905	19	1909	27	122	4·79	—	—
	Stornoway	1000·9	40·3	44·4	35·4	55	1898, 1913	16	1912	26	159	6·25	0·74	12
	Castlebay (Barra Isd.)	[1000·5]§	[44·1]§	[46·9]§	[40·1]§	[54]§	[1912]§	[26]§	[1912]§	[26]§	[146]§	[5·74]§	[0·77]§	[12]§
	Eskdalemuir	[1003·9]¶	[36·7]¶	[42·1]‖	[33·0]‖	[52]‖	[1910, 12]‖	[8]‖	[1912]‖	[26]‖	[204]‖	[8·04]‖	[0·74]‖	[11]‖
	Malin Head	1001·6	42·3	[45·7]*	[38·6]*	[55]*	[1900, 04, 13]*	[28]*	[1906, 1909]*	[24]*	[85]*	[3·35]*	—	—
	Blacksod Point	1003·0	44·4	[47·5]*	[39·9]*	[59]*	[1899]*	[25]*	[1906]*	[26]*	[155]*	[6·12]*	—	—
	Valencia	1005·8	45·4	49·8	41·1	57	1884, 88, 99, 1900	24	1886	26	169	6·64	1·32	17
	Roche's Point	1006·9	44·5	48·8	40·4	57	1906	25	1882	23	135	5·32	—	—
	Birr Castle	1005·2	40·5	46·1	35·0	58	1900	10	1882	21	84	3·29	1·39	19
	Donaghadee	1004·4	41·8	45·9	37·2	56	1885, 88, 94, 1909, 12, 13	21	1909	21	81	3·17	—	—
	Liverpool (Observatory)	1006·7	41·2	44·8	36·8	59	1891, 98, 1900	17	1882, 1890	19	67	2·65	[1·39]§	[19]§
	Holyhead	1005·8	44·5	46·9	39·9	56	1888	26	1890, 1902	20	106	4·16	[1·77]**	[24]**
	Pembroke (St. Ann's Hd.)	1006·9	45·5	48·1	41·3	57	1899, 1902	19	1890	22	115	4·52	1·35	18
	Scilly (St. Mary's)	1008·6	47·6	50·7	44·0	58	1899, 1900	30	1890	23	111	4·36	1·81	23
	Falmouth	1009·5	45·5	48·8	41·6	57	1899	25	1886, 1890	23	159	6·27	1·77	22
	Jersey (St. Aubin's)	1011·5	46·2	48·8	41·1	59	1898	22	1890	22	105	4·15	1·87	23
	Portland Bill	1009·1	46·5	48·1	41·2	[56]†	[1906, 07, 13]†	[24]†	[1908]†	19	75	2·94	—	—
	Dungeness	1009·5	43·2	46·2	37·1	56	1897, 98, 1900, 07	12	1890	17	70	2·77	—	—
	Dover	[1010·2]§	[42·4]§	[46·7]§	[38·4]§	[54]§	[1912, 14, 15]§	[18]§	[1908]§	[21]§	[105]§	[4·12]§	[1·45]§	[19]§
	Wick	1001·3	39·3	43·6	34·3	58	1906, 1907	10	1906	22	78	3·08	—	—
	Nairn	1001·9	37·4	43·0	32·1	58	1900	8	1912	19	56	2·22	[1·16]⫲	[18]⫲
	Aberdeen	1003·3	38·5	42·9	34·2	57	1885, 98, 1906, 10, 12	6	1882	19	82	3·22	1·16	18
	Leith	1003·8	40·5	41·8	35·0	60	1896	6	1882	17	51	2·00	—	—
	Tynemouth	1005·2	40·0	44·3	34·7	59	1898	19	1882, 86, 91, 92, 1908	16	55	2·18	—	—
	Spurn Head	1006·5	40·7	43·6	36·4	56	1898, 1912	19	1891	16	51	1·99	[1·32]**	[18]**
	Yarmouth	1008·6	40·6	43·6	35·2	60	1901	18	1899, 1906	18	62	2·44	[1·23]§	[16]§
	Clacton-on-Sea	1009·6	40·8	43·4	35·8	[55]‡	[1904]‡	[17]‡	[1908]‡	15	45	1·77	1·52	20
	Nottingham	1007·7	39·9	44·2	33·9	59	1912	9	1908	20	61	2·39	0·90	12
	LONDON (Kew Obsy.)	1009·8	41·4	44·7	35·9	57	1882, 88 1902, 05, 07	11	1890	17	58	2·29	1·19	16

* Results for 30 years, 1886–1915.
† " 16 " 1900–1915.
‡ " 15 " 1901–1915.

⫲ Results for 9 years, 1907–1915.
§ " 8 " 1908–1915.
‖ " 6 " 1910–1915.

¶ Results for 5 years, 1911–1915.
** " 2 " 1914–1915.

Meteorological Office,
South Kensington, London, S.W.
March, 1916.

E.	Madeira	...	82	7h. & 18h.

* Observations for these columns not generally received. † New International Code see Introduction. ‡ Old International Code. ¶ Pressure at station level

AIR MINISTRY.

SUPPLEMENT TO THE DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON.

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT SELECTED STATIONS ISSUED ON THE 1st DAY OF EACH MONTH.

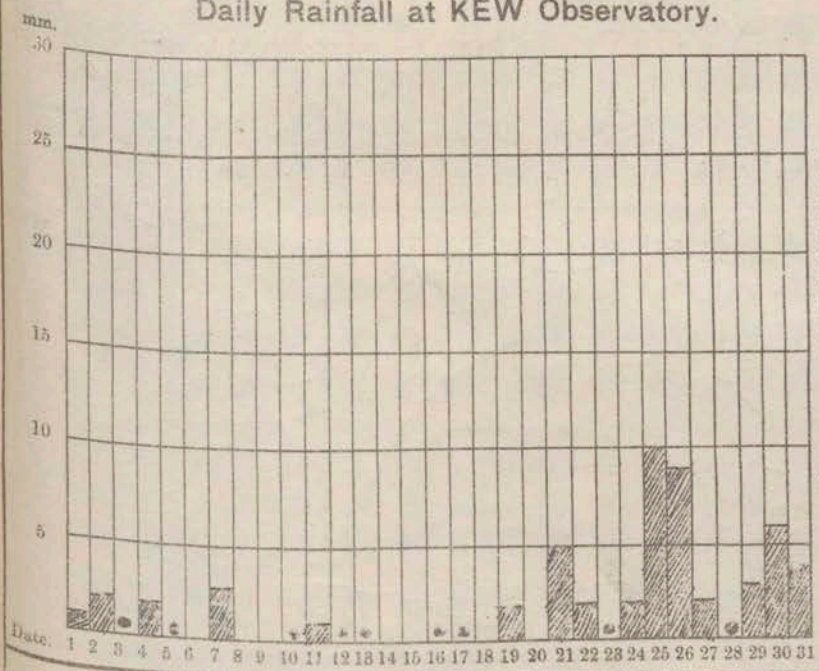
Notes on the Weather of DECEMBER, 1923.

The cold conditions so prevalent in November were followed by a somewhat milder type in the beginning of December , though even so, the average temperature for the first week was below normal in almost all districts. During the second week, however, our islands came under the influence of a more southerly current of air from the Atlantic, temperature rose to 50°F. in the north of Scotland and from the 11th to 13th there was a general absence of frost at night. Maxima about 50°F. occurred in many parts on the 17th and subsequently the repeated approach of depressions moving southeastwards from Iceland towards the Continent caused temporarily mild periods but, on the whole, rather cold weather predominated in the eastern half of the Kingdom. Sharp frost was experienced on Christmas morning and in some places such as Nottingham and Eskdalemuir the lowest readings of the month were registered on that day.

Snow fell in Scotland in the early part of the month and sleet in various places on the 4th but from the 19th to 28th precipitation in the form of snow or sleet was of daily occurrence in some part or other of Great Britain. On the 19th, 21st and 26th snow fell in the London area and lay on the ground for some hours.

High southerly winds and gales were experienced on the coasts about the 2nd. and 7th. and less generally on some other occasions during the first fortnight, while the westerly and northerly winds were frequently rough during the latter part of the month.

Daily Rainfall at KEW Observatory.



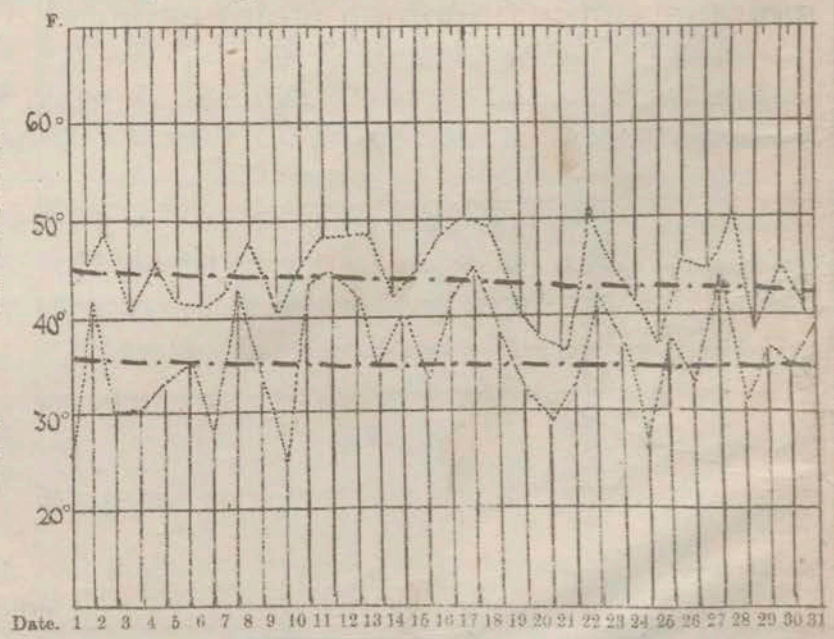
TEMPERATURE.

The pecked curves indicate the maximum temperature recorded each day, and the minimum temperature each night throughout the month. The chain lines show normal values.

RAINFALL.

● = less than 0·5 mm.
Total for month 55 mm.

Daily Range of Temperature at KEW Observatory.

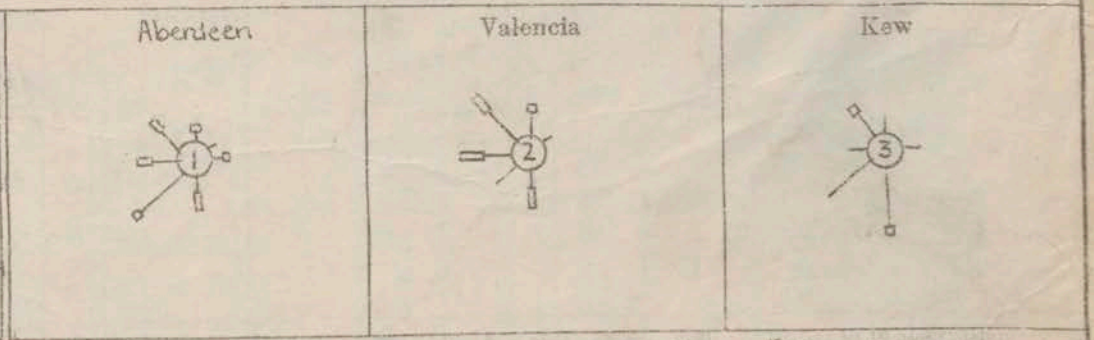


MEAN VALUES FOR THE MONTH.*

	PRESSURE		TEMPERATURE	
	Mean	Difference from average	Mean	Difference from average
	mb.	mb.	°F	°F.
Aberdeen	1009·3	+ 2·3	37·7	− 0·9
Valencia	1017·9	+ 7·2	46·5	+ 0·9
Kew	1015·6	+ 1·9	39·9	− 0·5

* Pressure — mean for the 24 hours.
Temperature — mean of Max. and Min.

WIND FREQUENCIES AT 7h.



Forces 1–3 ——; forces 4–7 ▭; force 8 or above ▬. Scale: 10 mm. to 10 observations
The figure in the centre of the circle gives the number of calms.

H.M.S.O. Press, Kingsway, W.C.2.

SUMMARY OF RECORDS OF TEMPERATURE, SUNSHINE,

Equivalents of Temperature.

A°.	F°.
263·6	15
268·0	23
268·6	24
273·0	32
273·6	33
278·0	41
278·6	42
283·0	50

	Temperature.																				Low Cloud.								
	Number of daily readings within fixed limits.									Extremes—Warmest and Coldest.									Number of observations within fixed limits.								
	† Maximum.					† Minimum.				Days.				Nights.					7h.			13h.			18h.		
	32 or below	33 — 41	42 — 50	51 — 59	Normal Max.	23 or below	24 — 32	33 — 41	42 — 50	Highest Max.	Date.	Lowest Max.	Date.	Highest Min.	Date.	Lowest Min.	Date.	Number of Ground Frosts.	Below 1,000 ft.	1,000–5,000 ft.	5,000–8,000 ft.	Below 1,000 ft.	1,000–5,000 ft.	5,000–8,000 ft.	Below 1,000 ft.	1,000–5,000 ft.	5,000–8,000 ft.
					°F.					°F.		°F.		°F.		°F.											
Stornoway ...	0	10	19	2	414	0	7	18	6	354	51	14, 17	36	20, 24, 25, 26	48	11, 12	27	9	*	16	12	0	18	10	1	17	11	0
Aberdeen ...	1	15	13	2	429	0	12	17	2	340	53	16	32	26	46	12	26	27	16	0	26	0	1	23	1	1	20	0
Edinburgh ... (Inchkeith)	0	17	13	1	*	0	6	21	4	*	51	17	34	3, 20, 25	47	11, 12	30	20, 25, 26, 29	*	*	*	*	*	*	*	*	*	*
Renfrew	1	14	15	1	*	2	13	12	4	*	51	17	32	6	48	11, 12	13	29	16	2	23	3	4	21	1	4	18	2
Eskdalemuir ...	3	19	9	0	*	4	17	7	3	*	49	17	29	25	43	11, 17	13	25, 29	18	9	18	1	10	16	1	14	9	1
Dublin ... ... (Phœnix Park)	*	*	*	*	465	*	*	*	*	352	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle ...	0	5	23	3	461	0	4	?18	9	350	51	17, 25, 27	36	6	47	12	26	6	11	1	29	0	0	31	0	0	31	0
Valencia ... ... (Cahirciveen)	0	0	18	13	498	0	0	8	23	411	54	27	44	20	50	12	36	21	2	12	19	0	10	21	0	13	18	0
Tynemouth ...	0	16	14	1	443	0	8	18	5	347	51	17	35	5, 21, 25, 27	46	17	26	25	8	20	3	0	16	10	0	12	7	0
Holyhead ...	0	1	30	0	469	0	1	13	17	399	50	10	41	20	48	11	32	25	1	4	26	0	5	24	2	8	19	1
Liverpool ... (Bidston)	0	4	27	0	448	0	2	22	7	368	50	17	39	20	45	18	30	25	12	1	28	0	1	29	0	2	26	0
Nottingham ...	0	16	14	1	412	0	13	14	4	339	51	22	34	25, 29	46	18	24	25	12	7	19	0	6	19	0	2	16	0
Cranwell	0	20	11	0	*	0	18	9	4	*	49	22	33	25	45	18	24	5	21	8	19	0	8	16	0	4	17	0
Gorleston ...	0	21	10	0	436	0	14	16	1	352	49	17	33	21, 31	43	18	27	7	17	0	20	0	0	18	6	0	17	2
Ross-on-Wye ...	0	4	24	3	454	1	9	13	8	349	53	17	37	20	46	18	22	25	15	0	26	0	1	25	0	1	22	0
Leafield	0	12	?19	0	*	1	13	16	1	*	?50	17	33	21	42	11	23	25	?15	5	?16	4	*	*	*	5	14	3
London ... ... (Kew Obsy.)	0	9	21	1	447	0	10	12	9	359	51	22	36	21	45	12, 18	25	10	13	1	28	0	2	21	0	1	21	1
Croydon	0	9	22	0	*	0	11	14	6	*	50	17, 22	35	9, 21	45	12, 18	24	25	16	12	13	0	9	16	0	9	15	0
Grain	0	11	20	0	*	1	13	15	2	*	50	18	36	31	44	18	21	25	17	3	17	2	4	19	1	3	18	0
Lympne	0	14	?17	0	*	0	14	17	0	*	50	17	35	21	41	12	24	25	16	11	15	1	15	11	0	9	16	0
Southampton ... (Calshot)	*	*	*	*	*	0	6	15	10	*	*	*	*	*	46	28	28	21, 25	9	9	14	1	4	19	2	4	17	0
Falmouth ... (Pendennis)	0	0	10	11	*	0	0	14	17	*	52	24	44	20	49	23, 27, 28	37	1, 14, 21	*	0	11	17	0	11	20	1	11	19

UPPER AIR TEMPERATURE.

Pressure.	Normal Height.	Normal Temperature.	Cranwell		S. Farnborough		Grain.	
			Mean.	No. of Reports.	Mean.	No. of Reports.	Mean.	No. of Reports.
mb.	feet.	°F.	°F.		°F.		°F.	
950	1730	35	37	1	37	7	36	1
850	4640	29	24	1	30	7	25	1
750	7870	21	14	1	22	7	16	1
650	11,490	9	7	1	11	4	6	1
550	15,620	−4	5	0	11	1	−10	1

UPPER WINDS.

(No. of records of Velocity (m.p.h.) within fixed limits.)

Station.	Renfrew.						Cattewater.						Lympne.					
Height. Feet.	No. of Obs.	Under 10 m.p.h.	10–25 m.p.h.	26–45 m.p.h.	46–75 m.p.h.	Above 75 m.p.h.	No. of Obs.	Under 10 m.p.h.	10–25 m.p.h.	26–45 m.p.h.	46–75 m.p.h.	Above 75 m.p.h.	No. of Obs.	Under 10 m.p.h.	10–25 m.p.h.	26–45 m.p.h.	46–75 m.p.h.	Above 75 m.p.h.
2,000	7	1	4	2	-	-	12	2	5	4	1	-	45	9	20	16	-	-
5,000	3	1	2	-	-	-	2	-	1	1	-	-	9	-	7	2	-	-
10,000	1	1	-	-	-	-	1	-	-	-	1	-	3	-	-	3	-	-
15,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

† Since March 1st, 1921, the readings used have (except in the case of Phœnix Park & Bidston) been the maximum for the period 7h.–18h., and the minimum for the period 18h.–7h. Previously the period was 7h.–7h. The normal values given above are based upon extremes taken over the 24 hours.

METEOROLOGICAL OFFICE: AIR MINISTRY, KINGSWAY, W.C.2.

RAINFALL, HUMIDITY AND LOW CLOUD, DECEMBER, 1923.

Equivalents of Temperature. A°.	F°.
283·6	51
288·0	59
288·6	60
293·0	68
293·6	69
298·0	77
298·6	78
303·0	86

	Sunshine. Number of Days with duration. Nil.	0·1—3h.	3·1—6h.	6·1—9h.	Above 9h.	Maximum Duration. Hours.	Date.	Total for past 12 months.	Difference from average.	Total for Month.	Difference from average.	Rainfall. Number of days with amount. 0, trace or 0·1 mm.	0·2—1 mm.	1·1—5 mm.	5·1—15 mm.	15·1—25 mm.	Above 25 mm.	Maximum fall in 24 hrs. mm.	Date.	Total for past 12 months.	Difference from Average.	Total for Month*	Difference from Average.	Days with Thunder.	Days with Snow or Sleet.
								hours.	hours.	hours.	hours.									mm.	mm.	mm.	mm.		
Stornoway ...	19	11	1	0	0	4·0	3	1160	-99	19	-4	4	3	11	12	1	0	18	7	1408	+142	147	-12	0	5
Aberdeen ...	14	8	9	0	0	4·8	9, 13	1254	-133	46	+10	5	7	11	8	0	0	14	21	944	+196	106	+24	0	11
Edinburgh ... (Inchkeith)	17	9	5	0	0	5·5	18	1368	*	40	*	14	6	7	4	0	0	9	25	508	*	52	*	0	8
Renfrew	16	7	8	0	0	6·0	23	1134	*	43	*	7	6	12	6	0	0	14	25	1043	*	82	*	0	6
Eskdalemuir ...	17	5	7	2	0	6·2	3	1127	*	51	*	7	8	3	11	2	0	22	12	1744	*	147	*	0	8
Dublin ... ... (Phœnix Park)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle ...	16	12	3	0	0	5·5	28	*	*	37	-6	12	4	7	8	0	0	12	6	954	+125	84	0	0	0
Valencia ... ... (Cahirciveen)	14	14	2	1	0	6·1	13	1271	-174	32	-9	6	8	6	9	1	1	35	6	1519	+105	136	-33	0	0
Tynemouth ...	*	*	*	*	*	*	*	*	*	*	*	12	9	8	2	0	0	9	21	627	+6	49	-6	0	7
Holyhead ...	8	15	7	1	0	6·2	13	1528	*	52	*	10	5	10	6	0	0	13	25	937	+49	84	-22	0	1
Liverpool ... (Bidston)	10	15	5	1	0	6·3	3	1380	*	52	*	9	7	9	5	1	0	17	31	786	+77	96	+29	1	5
Nottingham ...	21	9	1	0	0	5·0	23	1034	-291	16	-12	13	6	9	3	0	0	13	27	619	+47	63	+2	0	7
Cranwell	13	12	5	1	0	6·3	23	1530	*	43	*	15	3	10	2	1	0	16	27	634	*	62	*	0	7
Gorleston ...	16	6	9	0	0	5·5	9	1659	*	47	*	11	6	8	6	0	0	12	22	618	-4	70	+8	0	4
Ross-on-Wye ...	11	10	7	3	0	7·2	9	1456	*	69	*	15	7	5	4	0	0	14	1	753	+35	51	-25	0	1
Leafield	13	12	4	2	0	7·0	3	*	*	49	*	11	6	8	6	0	0	10	1, 21, 25, 30	*	*	83	*	0	5
London ... ... (Kew Obsy.)	13	14	4	0	0	5·7	23	1427	-48	35	-2	13	5	10	3	0	0	10	25	638	+32	55	-3	0	5
Croydon	13	14	4	0	0	5·7	3	1505	*	33	*	14	3	10	4	0	0	8	7	744	*	61	*	0	7
Grain	10	16	4	1	0	6·3	23	1615	*	41	*	14	8	7	2	0	0	7	25	513	*	37	*	0	3
Lympne	11	14	5	1	0	6·2	23	1743	*	47	*	9	4	11	7	0	0	10	25	743	*	82	*	0	4
Southampton ... (Calshot)	9	11	9	2	0	7·0	23	1712	*	66	*	13	4	9	5	0	0	12	25	652	*	71	*	0	2
Falmouth ... Observatory	6	14	10	1	0	6·4	28	1746	-13	76	+21	6	7	10	6	2	0	16	1	1148	+41	119	-40	0	0

MINIMUM SURFACE HUMIDITY.

No. of Days with Minima between Fixed Limits.

Station.	95–100 %.	90–94 %.	80–89 %.	70–79 %.	60–69 %.	50–59 %.	40–49 %.	30–39 %.	20–29 %.
Aberdeen ...	0	5	4	11	9	2	0	0	0
Renfrew... ...	0	4	10	10	3	4	0	0	0
Eskdalemuir ...	1	6	9	11	4	0	0	0	0
Valencia... ...	0	1	10	10	9	1	0	0	0
London ... ... (Kew Obsy.)...	0	0	13	13	2	3	0	0	0
Falmouth ...	0	0	12	15	3	1	0	0	0

STATE OF GROUND AT 13 h.

No. of Days each type was recorded.

Station.	0	1	2	3	4	5	6	7	8	9
Aberdeen ...	0	10	8	5	0	0	0	7	0	1
Renfrew... ...	0	3	16	10	20	50	04	23	05	0
Eskdalemuir ...	0	3	?10	6	1	0	0	11	0	0
Valencia ...	1	17	13	0	0	0	0	0	0	0
London ... ... (Kew Obsy.)	0	21	6	2	0	0	0	2	0	0
Falmouth ...	3	27	1	0	0	0	0	0	0	0

0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain or melted snow).

NOTES ON CHART OF ISOPLETHS (p. 4).

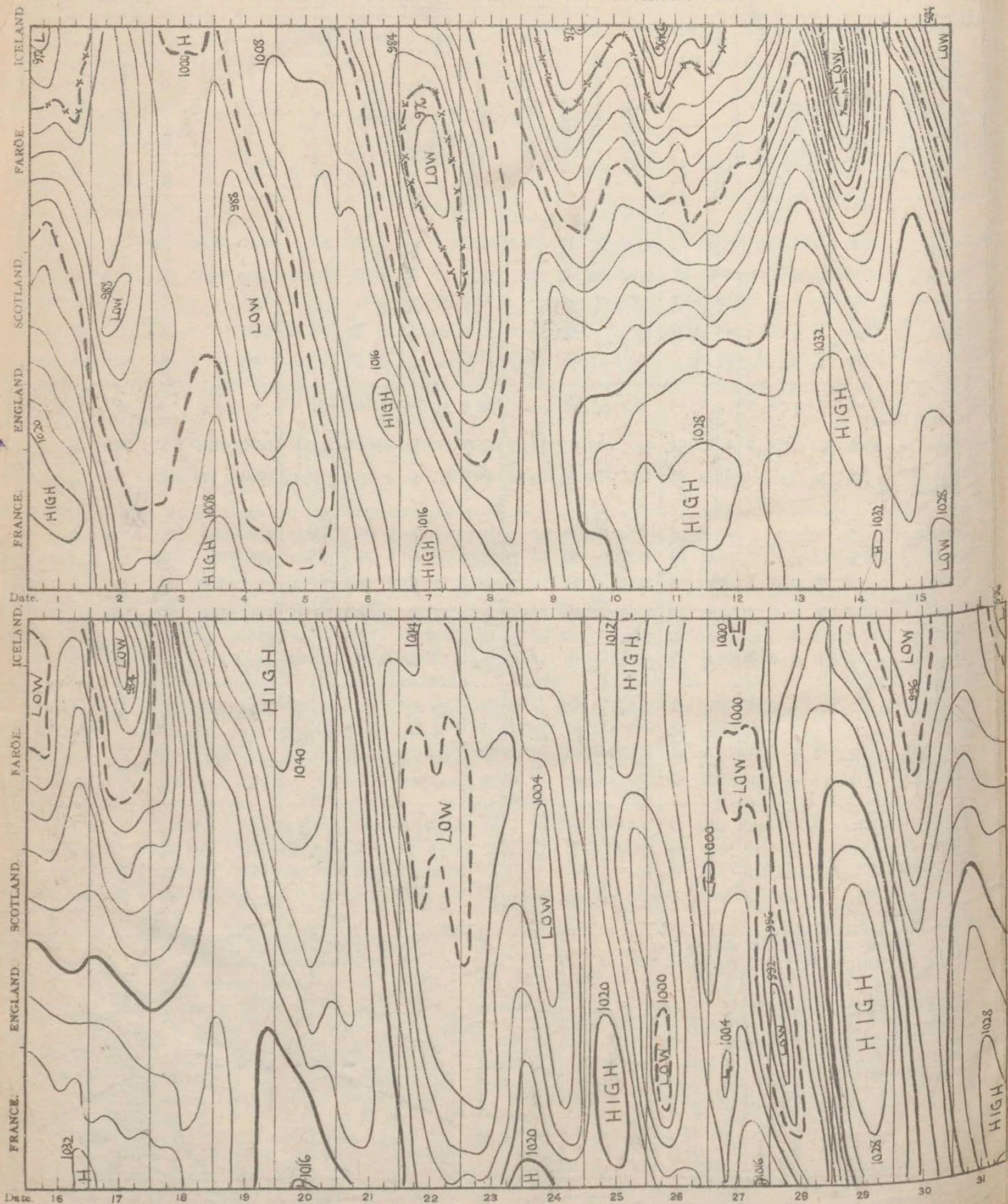
The diagram is obtained by drawing a line from Akureyri in Iceland to the South of France, near Marseilles. The points at which the isobars drawn for 4 mb pressure intervals intersect this line at 1h., 7h., 13h. and 18h. are plotted consecutively and joined to show the variation of pressure from day to day at any point in the line. The line terminates at Lat. 66° N., Long. 18° W. in the north, at Lat. 44½° N., Long. 4° E. in the south.

* Based in part on reports made by telegraph in which the daily falls are rounded off to the nearest whole millimetre. Small discrepancies may arise between these totals and those given in the Monthly Weather Report which are based on readings taken to 0·1 mm.

G. C. Simpson, F.R.S., *Director.*

PRESSURE: ICELAND TO GULF OF LIONS DECEMBER, 1923.

ISOPLETHS* BASED ON SIX-HOURLY OBSERVATIONS.



* For explanation see page 3. ——— = 1,020 mb. — — — = 1,000 mb. ×—×—×—× = 980 mb. o—o—o = 960 mb.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.22634 Saturday, 1st December, 1923.

Observations at 1300 G.M.T. 30th

STATIONS. (For heights see p.4).	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	State of ground.
Lerwick	1010.6	-2	SW	1	b/r	38	85	8	4000	Cu	2	-	2	•
Stornoway	1007.5	-6	SSW	4	o+	40	85	7	800	St	10	-	10	•
Wick	1010.3	-4	SW	2	bc	37	85	8	4000	Cu	1	CiSt	6	•
Castlebay	1008.4	-5	SW	5	[illegible]	46	75	8	1500	St	10	-	10	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	1013.0	-3	SW	2	b	37	85	8	-	-	0	-	0	3
Malin Head	1011.9	-4	S	4	o+	41	92	8	-	-	0	aSt	10	•
Renfrew	1014.4	-3	NE	1	fo+	35	97	2	-	-	0	aCu	10	2
Edinburgh (Inchkeith)	1013.4	-2	SW	2	mbc-	37	92	6	•	-	0	aCu	5	•
Leuchars	1013.3	-2	SW	2	b	37	75	6	5700	StCu	2	-	2	3
Eskdalemuir	1015.8	-2	SSE	1	c	32	85	7	4000	StCu	7	-	7	7
Tynemouth	1015.9	0	W	1	b	37	75	5	-	-	0	aCu	1	•
Blacksod Point	1013.6	-3	SW	5	o	46	75	8	•	•	•	•	10	•
Donaghadee	1016.9	-1	WSW	3	bc+	39	85	8	-	-	0	CiSt	4	•
Birr Castle	1019.0	*	S	1	c+	37	92	7	4000	StCu	7	-	7	•
Holyhead	1018.6	-2	SW'W	3	bc+	45	75	9	4000	Cu	2	Ci	4	0
Liverpool (Bidston)	1017.6	-2	W'S	3	bc	40	75	7	2500	StCu	4	-	4	•
Chester (Shotwick)	1018.4	-2	SW	3	b	43	65	86	5700	StCu	1	-	1	1
Spurn Head	1016.9	-0	NW'W	4	mb-	39	75	4	-	-	0	-	0	•
Birmingham (Edgbaston)	1013.1	-1	NW	2	mb-	39	75	4	-	-	0	-	0	3
Nottingham	1018.3	-1	WSW	2	mb-	38	85	4	-	-	0	-	0	•
Cranwell	1018.6	0	W'S	1	mb-	38	85	5	-	-	0	-	0	2
Gorleston	1017.5	+1	W'N	2	bc-	37	97	4	-	-	0	aCu	4	•
Valencia (Cahirciveen)	1019.1	-4	S	4	o+	43	85	8	1500	St	5	aSt	10	1
Roches Point	1020.8	-1	SW	1	c+	40	85	8	•	•	0	CiSt	8	•
Pembroke (St. Ann's H.)	1021.7	0	SW	1	c+	43	75	8	4000	Cu	7	-	7	•
Ross-on-Wye	1019.1	-1	S'W	1	b	41	65	8	-	-	0	-	0	1
Leafield	1019.5	0	W'N	1	mb-	38	75	6	-	-	0	-	0	*
Andover	1019.5	+2	N	1	b	39	75	6	-	-	0	-	0	1
S. Farnborough	1019.6	0	WNW	2	mmb	38	85	5	-	-	0	-	0	1
London (Kew Obsy.)	1019.4	0	WSW	1	b	38	85	4	-	-	0	-	0	1
Croydon	1019.4	0	NW'W	2	mb-	37	85	4	-	-	0	-	0	1
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	1018.7	+2	WNW	1	mb-	38	85	6	-	-	0	-	0	•
Grain	1020.0	+4	W	3	bc	36	92	6	800	St	4	-	4	2
Lympne	1019.0	+2	N	3	c	33	97	5	225	St	8	-	8	7
Scilly (St. Mary's)	1021.2	+1	-	0	bc	47	75	8	4000	StCu	5	-	5	•
Falmouth (Pendennis)	1021.1	0	N	1	b-	42	65	8	5700	StCu	2	-	2	•
Plymouth (Cattewater)	1020.5	-1	-	0	b	43	75	7	-	-	0	-	0	5
Portland Bill	1019.2	0	NNE	2	b/m	41	65	6	-	-	0	-	0	•
Southampton (Calshot)	1020.0	0	N'W	2	mmb	37	85	5	-	-	0	-	0	0
Dungeness	1018.4	+1	N	3	b	35	97	6	-	-	0	-	0	•
Guernsey	1019.6	+3	ENE	3	o	42	85	7	2500	Cu/Sc	10	-	10	•

Observations at 1800 G.M.T. 30th

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea.
Lerwick	1007.3	-3	S	3	b	40	75	8	-	-	0	ASt	2	2
Stornoway	1000.7	-7	SSW	4	oPR	43	92	6	450	St	10	-	10	3
Wick	1005.1	-5	SSW	4	o+	37	92	8	-	-	0	CiSt	9	3
Castlebay	1002.8	-4	S	5	orr	46	97	6	800	Nb	10	-	10	6
Nairn	1006.8	•	-	0	o+	35	85	8	1500	St	10	-	10	•
Aberdeen	1009.7	-4	SW	2	b	33	92	5	-	-	0	CiSt	2	0
Malin Head	1005.9	-7	S	5	orr	40	97	7	5700	Nb	10	-	10	1
Renfrew	1010.7	-4	SW	3	o	41	92	6	1500	St	8	ASt	10	•
Edinburgh (Inchkeith)	1010.6	-4	SW	4	o+	39	85	8	•	-	0	ASt	9	2
Leuchars	1010.1	-3	SW	2	c/m	36	92	6	2500	St	8	-	8	•
Eskdalemuir	1013.4	-3	S'E	3	o	33	92	4	800	St	10	-	10	•
Tynemouth	1014.3	-1	W	1	b	36	85	4	-	-	0	-	0	0
Blacksod Point	1007.8	-2	SW	6	o	49	85	7	•	•	•	•	10	7
Donaghadee	1013.5	-2	SW	3	o+	39	85	7	450	St	10	-	10	2
Birr Castle	1014.3	•	S	3	oRR	38	92	5	2500	Nb	10	-	10	•
Holyhead	1016.6	-2	SW'S	4	b	42	75	8	-	-	0	-	0	3
Liverpool (Bidston)	1017.6	-0	SW	3	bc	36	85	6	4000	St	2	ASt	5	3
Chester (Shotwick)	1017.4	-2	S	2	b	34	85	5	-	-	0	Ci	2	•
Spurn Head	1017.7	+2	WNW	2	o	35	92	5	-	-	0	ASt	10	1
Birmingham (Edgbaston)	1019.5	0	NW	3	bm	34	85	4	-	-	0	-	0	•
Nottingham	1018.8	0	WSW	1	b	32	92	6	-	-	0	-	0	•
Cranwell	1019.1	+2	WSW	3	b	33	92	4	-	-	0	-	0	•
Gorleston	1019.3	+1	W'S	2	b-	34	85	5	-	-	0	-	0	0
Valencia (Cahirciveen)	1015.0	-5	SSW	5	orr	47	85	7	1500	St	10	-	10	4
Roches Point	1017.1	-3	SW	2	o	47	85	8	4000	St	10	-	10	0
Pembroke (St. Ann's H.)	1019.2	-2	SW	3	c	45	65	8	4000	StCu	7	-	7	3
Ross-on-Wye	1020.0	+1	S	1	b	33	85	6	-	-	0	ASt	1	•
Leafield	1021.0	+1	W	2	b/f	33	75	6	2500	St	3	-	3	•
Andover	1020.8	+2	NW	2	b	30	97	5	-	-	0	-	0	•
S. Farnborough	1021.2	+3	-	0	bmm	28	97	5	-	-	0	-	0	•
London (Kew Obsy.)	1020.7	+4	SW	1	fb	33	92	3	-	-	0	-	0	•
Croydon	1021.0	+3	WSW	2	bmm	32	92	4	-	-	0	-	0	•
Clacton-on-Sea	1019.5	+2	WNW	2	bmm	34	85	4	-	-	0	-	0	0
Shoeburyness	1019.0	+2	-	0	bmm	34	75	6	-	-	0	-	0	•
Grain	1020.3	+4	W'S	3	bm+	29	92	4	-	-	0	-	0	0
Lympne	1020.8	+3	N	3	b	30	97	4	-	-	0	-	0	•
Scilly (St. Mary's)	1021.8	+1	-	0	b-	41	85	8	4000	StCu	2	-	2	0
Falmouth (Pendennis)	1021.7	+1	NW	1	b	39	45	8	5700	StCu	2	-	2	0
Plymouth (Cattewater)	1021.4	+2	ENE	2	b	36	92	7	-	-	0	-	0	0
Portland Bill	1020.3	+4	NNE	2	b	37	75	6	-	-	0	-	0	0
Southampton (Calshot)	1021.0	+2	N'W	2	bm-	34	85	6	-	-	0	-	0	0
Dungeness	1020.1	+2	N	2	b	32	97	6	-	-	0	-	0	3
Guernsey	1021.3	+4	N'W	3	bc	41	85	6	4000	Cu	4	-	4	1

LONDON OBSERVATIONS.

	Height above M.S.L. in feet.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Temperature. Max. °F.	Temperature. Min. °F.	Min. on Grass. °F.	Rainfall. Day. mm.	Rainfall. Night.	Sunshine to Sunset, hrs.	Humidity. 15h. G.M.T. %	Humidity. 9h. G.M.T. %	Visibility 9h.
		24 HOURS ENDED 0900 G.M.T. 1st.								YESTERDAY.		TO-DAY.	
Kew	18	ombm	bmbfx	bfxbm	•	•	17	-	-	4.6	•	•	
Croydon } 24 hours ended 0700	244	omfm	bmx	bmx	•	•	23	-	-	0.5	•	•	6
Greenwich (Royal Obsy.)	149	oc'b	bmcbf	bfxo	38	36	16	-	-	0.2	92	75	4
City (Bunhill Row)	80	•	•	•	•	•	•	•	•	0.0	•	•	•
Westminster (St. James' Pk.)	27	•	•	•	40	27	21	-	-	0.0	76	81	•
Regent's Pk. (Botanic Gdns).	—	•	•	•	•	•	•	•	•	3.9	•	•	•
Camden Square	110	obz	bzf	•	41	29	23	-	-	•	•	87	•
Kensington Palace	80	oc	co	•	40	28	16	-	-	•	(At 18h 80)	83	•
Hampstead Observatory	450	•	•	•	38	29	16	-	Tr	5.0	•	84	•

ATMOSPHERIC POLLUTION.
Milligrams of Solid Impurity per cubic metre.

24 HR. ended 1600 G.M.T. 30th.

South Kensington

Max.	Time.	Min.	Time.

Kew Observatory

Max.	Time.	Min.	Time.
0.6	19h 29th	<0.3	24h 29th
1.0	16h 30th		

POLE STAR RECORD at Greenwich Obsy.

Exposure from 30th Nov. 17 h. 00 m. to 1st Dec. 06 h. 30 m.

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	13.30	06.30	78
δ Ursae Minoris	13.30	07.17	54

CODE FOR STATE OF GROUND.

0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually continuous layer).
9=Glazed roads (ice on roads from frozen rain or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.[1]

Time.	Type.	No. per 4 sec.	Stren.	Direc.
13h.	-	-	-	-
18h.	-	-	-	-
01h.	-	-	-	-
07h.	-	-	-	-

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.

1st. & 2nd. December, 1923.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7.42	11.42	3.43
	7.43	11.42	3.42
Greenwich	7.45	11.49	3.54
	7.46	11.49	3.53
Wick	8.38	12.1	3.25
	8.39	12.1	3.24
Valencia	8.28	12.30	4.32
	8.29	12.30	4.32

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, „ less than 200 m.
m mist, „ 1000—10000 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. r rain. s snow.
rs sleet t thunder.
u ugly, threatening sky.
v unusual visibility. w dew.
x hoar frost. y dry air.
z dust haze; the turbid atmosphere of dry weather.
h(r)="hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity.
R = heavy rain. r_o = slight rain.
rr = continuous rain.

SYMBOLS.

< = { less than (for cloud height). { before (for precipitation).
⊕ = solar halo. ☾ = lunar halo.

With present weather is combined, whenever possible, the general character of the weather.

A "solidus" divides actual existing weather from preceding conditions, thus:—bc/r = fair weather after rain; - = "decreasing"; + = "increasing."

The BEAUFORT SCALE of WIND is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers, is the speed at about 30 feet above the ground.

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1- 3
2	4- 7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

SEA DISTURBANCE.

0=no swell } Calm or slight sea.
1=mod. swell } Calm or slight sea.
2=heavy swell } Calm or slight sea.
3=no swell } Moderate sea.
4=mod. swell } Moderate sea.
5=heavy swell } Moderate sea.
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

[1] For explanation see Introduction.

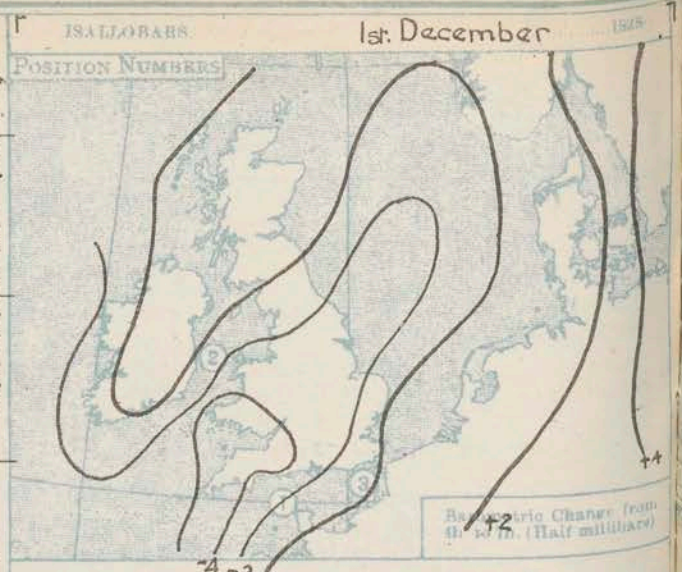
* Information for these columns not usually received.

‡ The barometric change is expressed in half millibars.

§ For code see page 3

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 30th	13h.-18h. 30th	18h. 30th to 1h. 1st	1h.-7h. 1st	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS.	RAINFALL.† Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began.	SUN. 30th Hours.
Lerwick	bp	bc	omr	p	40	39	•	Trace	1	1100	<21·00	3·6
Stornoway	c	p	c	p	43	37	•	1	3	–	–	0·2
Wick	c	c	orrc	c	39	35	•	–	3	–	<2100	•
Castlebay	bcm	oprs	r.ob	bcopc	46	44	•	0·2	1	15.30	–	0·2
Nairn	cbcb	bccgo	cpgo	cg	35	35	•	–	0·2	–	<2100	4·8
Aberdeen	bxb	bbmx	bocrm	ocm	37	33	30	–	1	–	22·00	3·9
Malin Head	cov	orar	Ⓣ rorr	Ⓣ cobcv	41	39	•	1	1	1430	<2100	0·4
Renfrew	ofp.	of pom	oro	orof	41	36	30	0·3	1	<0800	<21·00	0·0
Edinburgh (Inchkeith)	m	m	prs	o	39	39	37	–	0·2	–	<2100	1·0
Leuchars	bcxbm	bomc	cmor.	ocbm	37	36	32	–	0·5	–	<21·00	2·4
Eskdalemuir	bxapsc	coam	orm	ormof	34	32	32	0·4	5	1100	<2100	0·8
Tynemouth	m	bffm	rorm	orrom	39	34	32	–	3	–	2400	•
Blacksod Point	c	rr	r-d	p	49	36	•	3	2	–	–	•
Donaghadee	bc	c	omr	o	41	37	•	–	3	–	<2100	•
Birr Castle	co	oRR	ORR	bc	38	38	29	2	3	17.30	<2100	1·5
Holyhead	cpcbv	bcvb	bcorg	rrm	45	42	39	–	8	–	<2100	6·2
Liverpool (Bidston)	bbc	bcm	or	or	43	35	26	–	2	–	2200	5·5
Chester (Shotwick)	bmcxfbm	bmm	bmcodd	odmoo	44	33	28	–	0·4	–	22·00	5·2
Spurn Head	bbm	f-m	b-bc	oo	39	33	•	–	–	–	–	5·8
Birmingham (Edgbaston)	bff	bbmm	bbcm	bcos.	39	32	27	–	0·3	–	03·30	2·1
Nottingham	m	b-bcm	bfo	oo	38	27	22	–	–	–	–	0·0
Cranwell	bmxbm	b	b-bc	oo	39	31	26	–	–	–	–	4·3
Gorleston	cm	bcbmx	bx	bxbcx	40	30	27	–	–	–	–	4·7
Valencia (Cahirciveen)	bxco	oor	dro	o	47	43	40	3	5	1630	<2100	1·0
Roches Point	bbcc	co	rrdd	ddom	47	43	•	–	5	–	<2100	
Pembroke (St. Ann's H.)	c	c	orr	ogrr	45	43	•	–	3	–	2200	0·0
Ross-on-Wye	imbb	bb	bmxco	dco	42	29	22	–	–	–	–	7·0
Leafield	fb	bc	cfx	co	40	28	21	–	–	–	–	5·5
Andover	bmbz	bzbmx	bmx	bcmxffx	40	22	14	–	–	–	–	6·0
S. Farnborough	bmxombm	bmx	omx	bmxoffx	39	22	15	–	–	–	–	4·6
London (Kew Obsy.)	ombm	bmbfx	bfxbmx	bmxomx	39	26	17	–	–	–	–	4·6
Croydon	omfb	bmx	bmx	bmxc	38	28	23	–	–	–	–	0·5
Clacton-on-Sea	ocmxom	ogbcbm	bmx	bmbcx	37	30	24	–	–	–	–	2·9
Shoeburyness	bmxbm	bm	bmx	bmxbcm	40	24	17	Trace	–	–	–	3·0
Grain	ocvcm	bwmx	xmb	xocm	39	25	15	0·3	–	–	–	2·7
Lympne	ofcm	cmbf	bFm	bcomx	34	27	13	Trace	Trace	–	–	0·3
Scilly (St. Mary's)	cbc	bccbc	or	omrrq	49	44	•	–	3	–	01·30	3·6
Falmouth (Pendennis)	bc	bc	bc co	comr	42	37	•	–	Trace	–	03·30	6·8
Plymouth (Cattewater)	bxw	bw	bwxo	or	46	31	26	–	0·2	–	05·30	6·6
Portland Bill	m	b	b-bc	c	41	36	•	–	–	–	–	•
Southampton (Calshot)	bmxbcm	bmm	bmbxm	oxmc	38	29	22	–	–	–	–	5·4
Dungeness	bbc	bxm	bcffm	xxffmc	36	23	•	–	–	–	–	•
Guernsey	m	ocm	bcb	b	43	40	•	–	–	–	–	•



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility.
2	30th 1000	"Anglia"	N	4	bv	41	50	9
3	1st 0100	"Dieppe	–	0	bc	42	51	6

GENERAL INFERENCE.

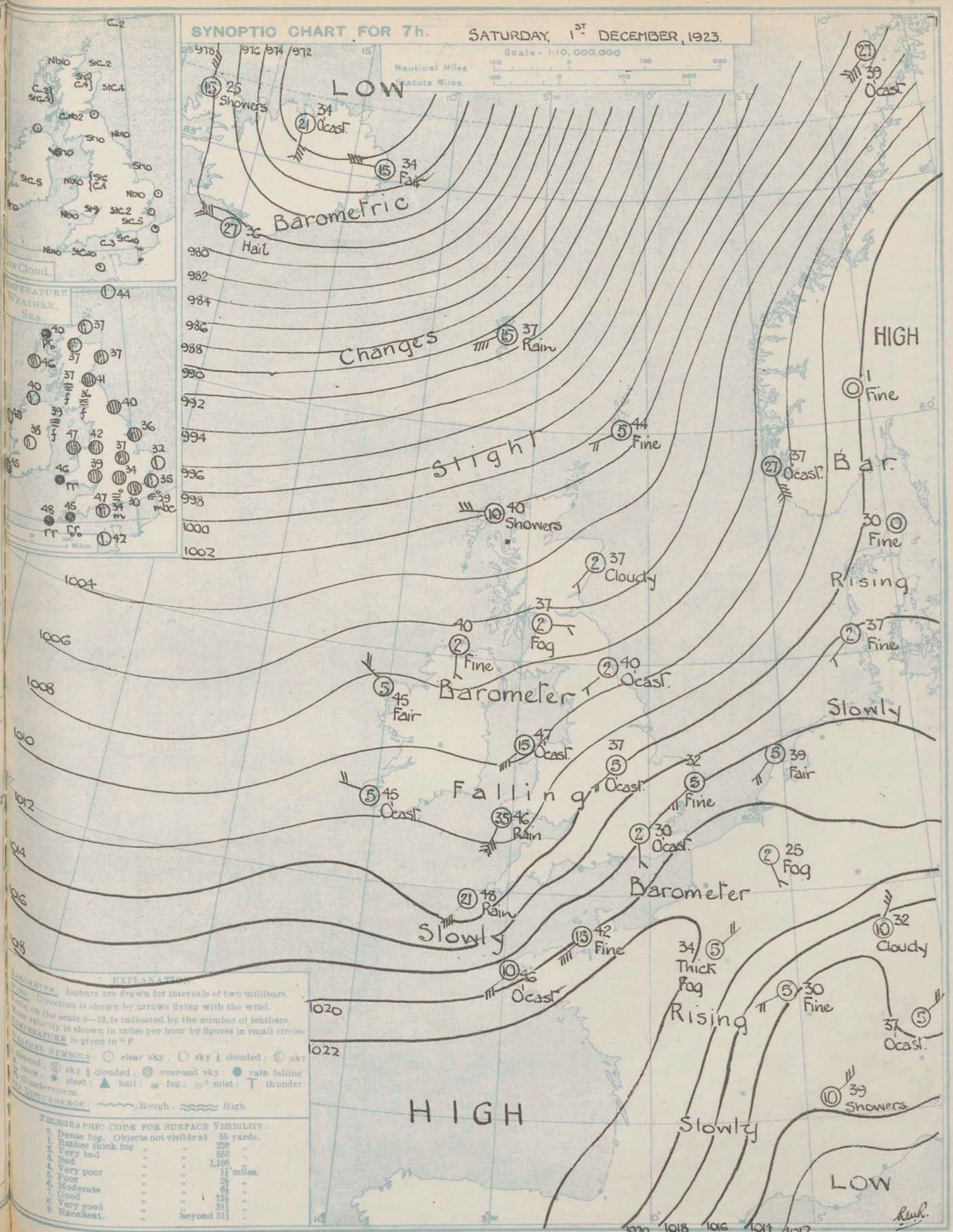
Conditions are favourable for a continuation of winds from between S.W. and W. with milder weather than of late. Some rain is probable in most districts although in the Southeast of England fair weather is probable during the greater part of to-day. The winds will be strong to high temporarily over the Channel.

Districts.	Forecasts for the 24 hours commencing 15 h. G.M.T. Saturday 1st December, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands	Wind S.W., moderate to fresh, becoming stronger; much cloud, some rain; visibility moderate; milder than of late.	Unsettled, but considerable fair periods in the South.
4. W. Midlands 5. S.W. England 6. South Wales	Wind S.W., strong locally at first, moderating; varying amount of cloud, occasional rain; visibility moderate to good; rather mild.	
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Wind S.W., light or moderate at first, probably freshening later; much cloud, occasional rain visibility moderate; rather mild.	South Cone hoisted at ▽ 0910 G.M.T. 30/11/23 and at ▼ 0925 G.M.T. 1/12/23.
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind W. to S.W., light or moderate at first, probably freshening later; much cloud, occasional rain; visibility moderate; rather mild.	

EVN

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0910 GMT G. C. SIMPSON, F.R.S., Director.

† For Code see opposite page.



H.M. Stationery Office Press Kingsway, W.C.2

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

 BRITISH SECTION Saturday, 1st December 1923. No. 335.

Observations at 0100 G.M.T. 1st

STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10
Lerwick	54	1002.4	-2	SSW	5	or.r	42	92	6	4000	Nb	10	-	10
Stornoway	51	1002.0	+2	N	3	c	•	•	5	•	•	•	•	•
Wick	81	1001.7	0	SW	3	bc-	40	92	8	5700	StCu	3	CiSt	6
Castlebay	37	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	46	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	71	1006.6	+2	WSW	1	bc	44	85	8	4000	Nb	2	CiSt	6
Renfrew	38	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	190	1006.8	-4	WSW	4	o/r	40	92	9	•	StCu	5	ASt	10
Leuchars	36	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	794	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	118	1012.5	-1	SSW	2	or.r	36	92	6	1500	Nb	10	-	10
Blacksod Point	10	1009.8	+2	-	0	bc/r	44	85	7	•	•	•	•	6
Donaghadee	35	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	175	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	26	1012.0	-4	SW'S	6	or.r+	45	92	7	1500	Nb	10	-	10
Liverpool (Bidston)	189	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick)	16	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	26	1015.8	-2	SSW	4	bc+	34	92	6	-	-	0	ACu	4
Birmingham (Edgbaston)	525	•	•	•	•	•	•	•	•	•	•	•	•	•
Nottingham	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	237	1017.4	-2	SSW	4	o+	35	85	6	2500	St	5	CiSt	9
Gorleston	13	1019.0	0	WSW	2	b	30	85	6	-	-	0	-	0
Valencia (Cahirciveen)	30	1011.5	+1	-	0	bc-	48	97	8	•	StCu	5	-	5
Roches Point	32	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	149	1015.2	-3	SW	5	orr	46	92	7	2500	Nb	10	-	10
Ross-on-Wye	223	•	•	•	•	•	•	•	•	•	•	•	•	•
Leafield	556	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	295	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough	230	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.)	18	•	•	•	•	•	28	•	•	•	•	•	•	•
Croydon	244	1020.8	-1	SSW	3	b	29	85	5	-	-	0	-	0
Clacton-on-Sea	54	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	11	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	20	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	350	1020.6	+2	NNW	1	b	27	97	4	-	-	0	-	0
Scilly (St. Mary's)	131	1018.4	-3	SW	4	or.r	45	85	8	4000	Nb	10	-	10
Falmouth (Pendennis)	200	1020.1	-2	WSW	4	o+	44	75	8	4000	StCu	10	-	10
Plymouth (Cattewater)	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	19	1019.7	-2	SW	3	bc+	44	65	7	1500	Cu	2	CiSt	6
Southampton (Calshot)	12	1021.1	-1	SW'W	1	bc-	30	97	5	-	-	0	Ci	2
Dungeness	21	1020.8	0	N	1	fb-	28	97	3	-	-	0	Ci	2
Guernsey	-													

Observations at 0700 G.M.T. 1st

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1001.8	0	WSW	2	b	44	85	7	4000	Cu	2	ASt	3	1
Stornoway	1002.0	-1	W	3	opr	40	92	7	800	Nb	10	-	10	2
Wick	1002.3	+1	SW	3	bc+	37	92	8	5700	StCu	2	CiSt	5	0
Castlebay	1003.8	0	~~WNW~~	4	C-	46	85	8	2500	StCu	7	-	7	4
Nairn	1004.2	•	WSW	0	c	37	85	8	1500	St	8	-	8	•
Aberdeen	1005.7	0	SW	1	c	37	97	6	4000	StCu	4	ASt	8	0
Malin Head	1006.6	0	S	1	b-	40	92	8	-	-	0	ACu	2	1
Renfrew	1007.2	0	E	1	ffo	37	97	3	5700	CuNb	2	Ci	9	•
Edinburgh (Inchkeith)	1006.0	0	WSW	2	o	41	97	7	•	-	0	ASt	9	0
Leuchars	1005.9	+1	-	0	mb+	36	97	4	-	-	0	-	0	•
Eskdalemuir	1008.5	0	-	0	ffo	36	97	3	1150	St	10	-	10	•
Tynemouth	1008.9	-1	SW	1	o/r	40	85	6	800	Nb	10	-	10	0
Blacksod Point	1008.1	-2	NW	2	bc	45	75	7	•	•	•	•	6	5
Donaghadee	1009.7	0	SW	2	fo	39	97	2	450	St	10	-	10	2
Birr Castle	1008.8	•	SE	1	bc-	38	97	5	4000	StCu	5	-	5	•
Holyhead	1009.5	-2	SW'W	4	o/r	47	97	6	800	Nb	10	-	10	4
Liverpool (Bidston)	1011.2	-2	SE	1	o/r	42	85	7	2500	St	10	-	10	3
Chester (Shotwick)	1011.2	-2	SSE	3	o	42	85	7	1500	St	10	-	10	•
Spurn Head	1013.8	-3	SSW	5	o	36	92	7	2500	St	10	-	10	4
Birmingham (Edgbaston)	1014.6	-2	S	4	o/sh	35	85	7	1500	Nb	4	ASt	9	•
Nottingham	1014.4	-2	SW	2	o	37	92	6	1500	Nb	10	-	10	•
Cranwell	1015.2	-2	SW'S	4	o	35	92	7	1500	St	4	ASt	10	•
Gorleston	1018.7	0	SW'S	2	b+	32	75	6	-	-	0	ACu	3	0
Valencia (Cahirciveen)	1011.0	-1	WNW	2	o	45	85	7	2500	St	10	-	10	2
Roches Point	1010.4	0	-	0	o	43	97	6	4000	StCu	10	-	10	0
Pembroke (St. Ann's H.)	1011.3	-4	~~SSW~~ S/W	6	orr	46	97	6	1500	Nb	10	-	10	5
Ross-on-Wye	1014.8	-3	SW'S	3	o	39	85	7	2500	St	9	ACu	10	•
Leafield	1016.7	-2	SSE	3	o+	34	85	5	7200	StCu	2	ASt	10	•
Andover	1017.7	-3	-	0	ffo	26	97	3	2500	StCu	10	-	10	•
S. Farnborough	1018.1	-2	S	3	mo-	34	97	5	1500	StCu	10	-	10	•
London (Kew Obsy.)	1018.6	-1	S	1	o	30	92	5	2500	StCu	5	ASt	9	•
Croydon	1019.3	-1	S'W	3	c+	32	92	5	-	-	0	CiSt	8	•
Clacton-on-Sea	1018.7	-1	SW	2	bc	35	85	6	-	-	0	ACu	5	0
Shoeburyness	1018.9	0	SE	1	mmbc	33	75	6	-	-	0	CiCu	5	•
Grain	1019.2	-1	S	2	c	34	85	5	5700	StCu	2	ACu	7	0
Lympne	1019.8	0	SW	2	o	32	85	5	7200	StCu	7	CiSt	9	•
Scilly (St. Mary's)	1013.7	-3	SSW	5	orr	48	97	5	2500	Nb	10	-	10	5
Falmouth (Pendennis)	1015.1	-4	SW	6	or.r	45	92	6	4000	StCu	10	-	10	0
Plymouth (Cattewater)	1015.6	-3	SW	5	orr	46	97	8	800	Nb	10	-	10	3
Portland Bill	1016.8	-4	WSW	4	c+	47	75	7	4000	Cu	3	ACu	7	0
Southampton (Calshot)	1018.5	-2	S'W	3	c+	41	85	8	2500	CuNb	2	ASt	7	0
Dungeness	1020.1	0	N	1	mmbc	29	97	4	-	-	0	CiCu	4	2
Guernsey	1020.1	-1	SSW	4	b	42	85	8	-	-	0	CiCu	3	1

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 30th

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 29th-30th °F.	Temperature. Max. Day. 30th °F.	Rainfall.† Night 17h.-9h. 29th-30th mm.	Rainfall.† Day 9h.-17h. 30th mm.	Sunshine.	Sunshine. Sunrise to Sunset. 30th hr.
Montrose	xcbc	bcof	29	37	-	-		3.7
Berwick-on-Tweed	ph.ox	phbcv	34	47	0.1	0.1		1.0
Llandudno	b	b	38	44	-	-		5.8
Colwyn Bay	c	c	31	44	-	-		6.1
Rhyl	bc	bc	28	47	-	-		6.0
Southport	xfcbc	cbcc	29	41	-	-		1.3
Blackpool	bcc	oc	26	44	-	-		1.7
Ilkley	xb	bcmo	25	39	-	-		4.5
Harrogate	b	b	26	37	-	-		5.9
Skegness	cxb	bm	31	40	1	-		5.3
Aberystwyth	ocb	b	27	43	-	-		6.0
Bath	bm	bm	26	40	-	-		3.4
Leamington Spa	bz	bm	25	35	-	-		1.8
Lowestoft	cbccbc	bcb	32	38	-	-		5.0
Felixstowe	bxf	bm	29	36	-	-		1.2
Southend	foc	cbc	29	41	0.1	-		2.8
Ilfracombe	b	b	36	49	-	-		6.5
Bude	xb	b	24	45	-	-		5.0
Torquay	b	b	31	44	-	-		6.9
Weymouth	b	bm	28	43	-	-		6.8
Bournemouth	b	b	29	40	-	-		6.5
Portsmouth (S'thsea)	bm	bmf	31	38	-	-		5.9
Littlehampton	bcm	bcm	32	38	-	-		3.4
Worthing	bc	b	31	37	-	-		2.8
Brighton	c	c	32	38	-	-		3.7
Eastbourne	b	b	32	38	-	-		6.8
Hastings	b	bm	32	38	trace	-		7.0
Folkestone	x	bc	30	36	-	-		7.0
Dover	bcm	mbcbm	33	36	-	-		5.1
Tunbridge Wells	omo	bbm	29	38	-	-		1.4
Ramsgate								
Margate	bbco	o	36	36	-	-		1.2
Deal	mo	om	32	35	-	-		—

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* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. § For code see page 3. ‡ See footnote page 1

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B. 22655 SUNDAY, 2ND DECEMBER 1923.

Observations at 1300 G.M.T. 1st / Observations at 1800 G.M.T. 1st

STATIONS. (For heights see p.4).	Barom. at M.S.L. mb.	Change in 3 Hours.†	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Low Form	Low Amt. 0-10	Upper Form.	Total Amt. 0-10	State of ground.	Barom. at M.S.L. mb.	Change in 3 Hours.†	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Low Form	Low Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1001·9	0	SW	1	c	45	85	7	2500	St	2	Ci St	8	•	1000·1	-2	S	3	o	45	92	6	-	-	0	a.St	10	2
Stornoway	998·6	-3	SW	3	c-	45	85	9	800	St	8	-	8	•	994·9	-4	SW	3	opr₀	42	92	7	450	St	10	-	10	2
Wick	1001·2	-1	SSW	3	o	42	92	8	-	-	0	a.St	10	•	998·0	-3	SW	3	bc	43	85	8	4000	StCu	5	Ci	6	0
Castlebay	1000·1	-4	SSW	4	oPR	47	85	8	1500	Nb	9	-	9	•	995·5	-4	SSW	4	opr₀	46	85	7	1500	Nb	10	-	10	4
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•	998·0	•	SWW	2	c	40	85	8	1500	St	8	-	8	•
Aberdeen	1004·7	-2	SW	2	b	42	85	7	-	-	0	Ci	3	3	1001·9	-2	WSW	2	o	39	97	6	-	-	0	a.St	10	0
Malin Head	1002·8	-4	S	3	o+	43	92	8	2500	StCu	9	-	9	•	997·9	-6	SSE	4	bc	42	92	8	5700	StCu	5	-	5	2
Renfrew	1005·3	-3	SSW	2	o-	44	92	6	2500	StCu	9	-	9	2	1001·2	-5	S	2	o	41	92	7	2500	StCu	10	-	10	•
Edinburgh (Inchkeith)	1005·6	-2	WSW	1	mmc	40	97	6	•	-	0	a.Cu	7	•	1001·5	-3	S	1	o/f	40	92	8	•	St	1	a.St	10	0
Leuchars	1004·8	-2	WSW	2	imb	41	97	4	-	-	0	-	0	2	1001·4	-3	SW	2	b-	36	92	7	-	-	0	-	0	•
Eskdalemuir	1006·8	-4	-	0	or₀	37	97	1	<150	Nb	10	-	10	7	1002·6	-4	S'E	1	or	36	97	1	<150	Nb	10	-	10	•
Tynemouth	1008·0	-2	SSW	1	o	41	85	5	800	Nb	10	-	10	•	1005·1	-3	SW	1	o	40	92	5	800	St	10	-	10	0
Blacksod Point	1003·5	-4	W'N	4	bc	45	85	8	•	•	•	•	6	•	997·2	?	SW	4	opr₀	43	85	7	•	•	•	•	10	4
Donaghadee	1007·2	-2	W	2	bc	43	92	7	450	St	2	Ci St	5	•	1002·8	-4	WSW	1	imo	41	97	6	450	St	10	-	10	0
Birr Castle	1006·1	*	S	1	o+	43	92	6	2500	StCu	10	-	10	•	1000·6	•	S	2	o-	42	92	6	4000	StCu	9	-	9	•
Holyhead	1007·2	-4	S'W	3	c-	48	85	8	2500	StCu	8	•	8	2	1004·1	-3	SSW	3	o	46	75	9	2500	St	10	-	10	0
Liverpool (Bidston)	1007·2	-4	S'E	1	c+	46	85	8	1500	CuNb	7	-	7	•	1004·7	-3	SSE	3	bc/r	42	92	6	4000	Cu	4	a.Cu	6	3
Chester (Shotwick)	1008·5	-3	SE	3	c	47	85	7	2500	StCu	5	a.Cu	8	1	1006·4	-1	SSE	1	bpr₀	42	92	5	4000	StCu	2	-	2	•
Spurn Head	1011·2	-3	SSW	5	o'	39	92	6	2500	St	10	-	10	•	1008·2	-4	SSW	6	b	40	92	6	-	-	0	-	0	4
Birmingham (Edgbaston)	1011·7	-4	SSE	4	odd	39	97	6	1500	Nb	10	-	10	2	1007·8	-4	SE	5	odd₀	42	92	5	450	Nb	10	-	10	•
Nottingham	1011·7	-2	SSW	3	o	41	92	6	1500	Nb	10	-	10	•	1008·4	-3	S	4	o	42	92	6	1500	Nb	10	-	10	•
Cranwell	1012·4	-3	S'W	4	o/r	39	92	6	2500	St	10	A.St	10	2	1009·3	-4	S	5	or₀+	40	92	6	2500	Nb	10	-	10	•
Gorleston	1017·0	-2	SSW	3	o+	40	85	6	5700	StCu	9	-	9	•	1014·8	-1	SSW	4	bc	39	92	7	-	-	0	a.St	4	0
Valencia (Cahirciveen)	1006·5	-7	S	2	bc-	49	85	8	2500	StCu	4	a.Cu	5	!	998·3	-9	SE'S	3	orr₀	45	92	6	800	St	10	-	10	3
Roches Point	1007·6	-5	S	1	o	47	92	8	4000	StCu	9	-	9	•	1001·5	-7	SW	4	o	47	85	8	1500	St	10	-	10	3
Pembroke (St. Ann's H.)	1009·7	-2	-	0	c-	48	97	8	2500	StCu	8	-	8	•	1005·4	-3	-	0	o	48	97	8	2500	St	9	-	9	4
Ross-on-Wye	1011·0	-6	S	4	odd	44	92	6	2500	Nb	8	Ci St	10	1	1006·8	-4	S	5	or-	45	92	6	1500	Nb	10	-	10	•
Leafield	1013·2	-8	S'W	5	odd₀	41	92	6	1500	Cu	10	-	10	[illegible]	1009·7	-5	S	3	od₀	40	97	7	2500	Nb	10	-	10	•
Andover	1014·6	-3	S	4	o	42	85	8	2500	St	10	-	10	1	1011·1	-3	S'E	4	odd	41	97	4	800	Nb	10	-	10	*
S. Farnborough	1015·6	-3	WSW	3	o/r	44	85	7	1500	StCu	8	a.St	10	2	1012·2	-4	S	4	od₀	42	92	7	1500	StCu	10	-	10	•
London (Kew Obsy.)	1015·5	-2	SSW	3	o	44	85	6	1500	St	9	a.Cu	10	2	1012·7	-3	S	3	opr₀	42	85	6	-	-	0	a.St	10	•
Croydon	1016·5	-3	SW'S	4	o+	43	85	6	2500	St	4	a.St	9	2	1013·4	-3	S'W	3	c-	40	85	6	2500	StCu	7	-	7	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1014·6	-2	SSE	4	bc	42	85	7	-	-	0	a.St	4	2
Shoeburyness	1016·6	-3	SSW	3	c/f	44	75	7	5700	Cu	5	Ci St	7	•	1014·4	-1	S'E	2	b	39	75	7	-	-	0	a.Cu	1	•
Grain	1016·3	-4	S'W	4	c	43	75	7	-	-	0	Ci Cu	8	2	1014·3	-3	S	4	b-	40	75	7	4000	Cu	1	-	1	
Lympne	1017·7	-2	SW	4	b	43	75	6	2500	Cu	3	•	3	2	1015·3	-3	SW	5	b-	39	85	7	4000	StCu	3	•	3	•
Scilly (St. Mary's)	1010·1	-2	SSW	4	orr	51	97	4	2500	Nb	10	-	10	•	1007·4	-2	SW'W	4	orr₀	48	92	8	4000	Nb	5	a.St	10	4
Falmouth (Pendennis)	1009·7	-4	SW	6	or₀	50	97	6	4000	StCu	10	-	10	•	1008·5	-1	W	2	c/r	48	97	7	4000	StCu	8	-	8	0
Plymouth (Cattewater)	1011·2	-7	SSW	5	orr₀	48	97	6	225	Nb	10	-	10	2	1007·2	-5	SSW	5	orr₀	49	97	7	225	Nb	10	-	10	3
Portland Bill	1013·4	-6	SSW	5	or₀	48	85	7	2500	Nb	10	-	10	•	1009·3	-6	SSW	7	or₀	47	92	7	2500	Nb	10	-	10	6
Southampton (Calshot)	1015·8	-4	S	6	o+	45	75	8	4000	StCu	5	a.St	10	0	1012·4	-4	S'E	5	o/r	44	85	7	1500	St	10	-	10	3
Dungeness	1018·4	-3	SW	4	c+	44	85	7	4000	Cu	7	-	7	•	1015·5	-3	SW	5	b	43	75	7	-	-	0	-	0	5
Guernsey	1016·8	-5	S'W	5	o	45	92	8	4000	StCu	10	-	10	•	1012·7	-4	S	7	odd	45	97	5	800	Nb	10	-	10	7

LONDON OBSERVATIONS.	Height above M.S.L. in feet.	Weather Morning.	Weather Afternoon.	Weather Night.	Temperature Max. °F.	Temperature Min. °F.	Min. on Grass. °F.	Rainfall mm. Day.	Rainfall mm. Night.	Sunshine to Sunset, hrs.	Humidity 15h. G.M.T. %	Humidity 9h. G.M.T. %	Visibility 9h.
		24 Hours ended 0900 G.M.T. 2nd								Yesterday.		To-day.	
Kew } 24 hours ended 0700	18	omxom	ombcdx	ooqoqr	•	•	39	0.2	0.5	0.8	•	•	•
Croydon } 24 hours ended 0700	244	coxpm	oc3m	comrror	•	•	38	Tr.	3	2·1	•	•	•
Greenwich (Royal Obsy.)	149	o	oc	or	45	34	31	-	1	1·1	75	95	5
City (Bunhill Row)	80	•	•	•	•	•	•	•	•	0·0	•	•	•
Westminster (St. James' Pk.)	27	•	•	•	45	38	36	1			x	91	•
Regent's Pk. (Botanic Gdns).	168	•	•	•	•	•	•	•	•		•	•	•
Camden Square	110	cxo	o	•	45	36	32	-	2	•	•	97	•
Kensington Palace	80	cbc	bcdr	•	45	34?	35	0.2	1	•	{At 18h 48	92	•
Hampstead Observatory	450	•	•	•						0·3			•

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 HR. ended 1800 G.M.T. 1st

South Kensington Max.	Time.	Min.	Time.

Kew Observatory Max.	Time.	Min.	Time.

POLE STAR RECORD at Greenwich Obsy.

Exposure from 1st 17 h. 00 m. to 2nd 06 h. 30 m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	13.30	0 0	0
δ Ursae Minoris	13.30	0 0	0

CODE FOR STATE OF GROUND.
0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.[1]

Time.	Type.	No. per ¼ sec.	Stren.	Direc.
13h.	-	-	-	-
18h.	-	-	-	-
01h.	-	-	-	-
07h.	-	-	-	-

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.

2nd & 3rd DECEMBER, 1923.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7·43 7·45	11·42 11·43	3·42 3·41
Greenwich	7·46 7·48	11·49 11·50	3·53 3·52
Wick	8·39 8·41	12·1 12·2	3·34 3·33
Valencia	8·29 8·31	12·30 12·31	4·32 4·31

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, „ less than 200 m.
m mist, „ 1000—10000 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. r rain. s snow.
rs sleet t thunder.
u ugly, threatening sky.
v unusual visibility. w dew.
x hoar frost. y dry air.
z dust haze; the turbid atmosphere of dry weather.
h(r)="hail" or "rain and hail."
Capital letters indicate intense: suffix o indicates slight; repetition of letters indicates continuity.
R = heavy rain. r_0 = slight rain.
rr = continuous rain.

SYMBOLS.

<= { less than (for cloud height). before (for precipitation).
⊕ = solar halo. Ш = lunar halo.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions, thus:—bc/r = fair weather after rain; - = "decreasing": + = "increasing."

The BEAUFORT SCALE of WIND is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers, is the speed at about 30 feet above the ground.

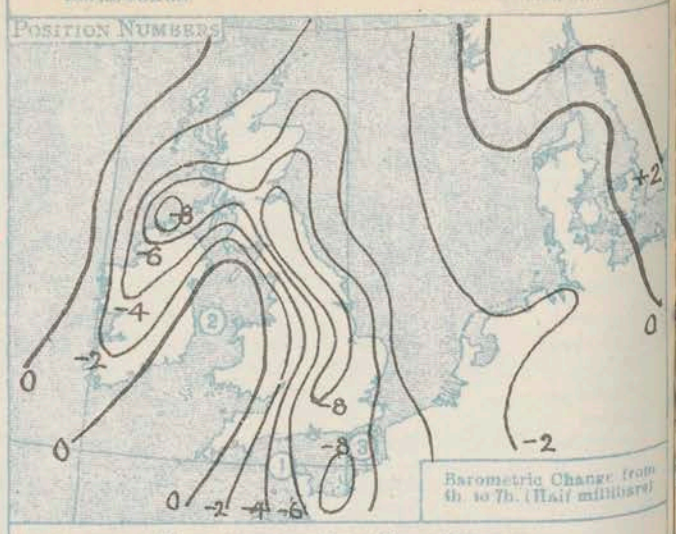
SEA DISTURBANCE.
0=no swell } Calm or slight sea.
1=mod. swell
2=heavy swell
3=no swell } Moderate sea.
4=mod. swell
5=heavy swell
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1-3
2	4-7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

[1] For explanation see Introduction. * Information for these columns not usually received. † The barometric change is expressed in half millibars. § For code see page 3

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 1st	13h.-18h. 1st	18h. 1st 2nd to 1h.	1h.-7h. 2nd	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS.	RAINFALL.† Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began	SUN.§ 1st Hours.
Lerwick	bc	o	o	o	45	42	.	Trace	0.1	∠0800	0230	0.0
Stornoway	p	p	r-d	r-d	45	40	.	1	4	-	-	1.2
Wick	oo	oo	o	o	43	42	.	-	-	-	-	.
Castlebay	cod	op	oP	oP	41	41	.	2	5	-	-	0.3
Nairn	cbcgc	cg	cgo	og	42	34	.	-	-	-	-	1.3
Aberdeen	b-bc	bbcom	obo	oorr	42	38	32	-	4	-	0430	~~3.5~~ 4.1
Malin Head	bcco	cobc	co	coir	45	38	.	-	1	-	0330	1.0
Renfrew	ofm	om	o	orr	44	34	32	-	6	-	0230	0.0
Edinburgh (Inchkeith)	m	mo	ob	r.r.o	43	39	34	-	5	-	<2100	2.0
Leuchars	bif	omb	bbcco	orr	41	36	31	-	5	-	0430	0.1
Eskdalemuir	ofeor	oirfe	ormofe	orr	39	34	34	3	10	1230	<2100	0.0
Tynemouth	om	om	mdo	ir.oq	43	40	38	-	1	-	2200	.
Blacksod Point ...	p	p	p	p	45	34	.	2	3	-	-	.
Donaghadee	of	om	omr	omr	45	38	.	-	14	-	2200	.
Birr Castle	bcco	co	cpr	bc	44	36	31	~~3~~ -	10	-	<2100	0.5
Holyhead	r.omc	ccov	ir.rr	~~m.r.o~~	48	42	41	Trace	3	∠0800	<2100	0.1
Liverpool (Bidston) ...	octbc	od	ob		48	42	34	Trace	04	1430	<2100	1.8
Chester (Shotwick) ...	ocmc	obpr.	bprom	orr.mo	49	42	39	0.1	2	1530	<2100	3.0
Spurn Head	oo	c	oirq	oqr	40	34	.	-	3	0800	<2100	0.0
Birmingham (Edgbaston)	oid.m	omdd	oddrd	odrr	42	41	40	0.4	12	1230	<2100	0.0
Nottingham	opo	opo	od.d.	orr.	42	41	39	0.5	3	1100	<2100	0.0
Cranwell	ord.m	oor.	opr	orm	41	38	36	0.6	1	∠0800	<2100	0.0
Gorleston	bcc	cbc	bcqcq	oq	41	39	34	-	-	-	-	0.0
Valencia (Cahirciveen)	cpbc	copor	cp	bcp.o	49	42	34	2	4	1100	<2100	1.6
Roches Point	oco	or.o	rrb	bb	48	39	.	0.4	6	1330	<2100	
Pembroke (St. Ann's H.)	rord	c	orr	p	50	45	.	2	5	∠0800	0430	1.0
Ross-on-Wye	odd	ddqrm	dqrrq	rocbc	45	43	38	3	11	0900	<2100	0.0
Leafield	cogud	ord	or	orr	41	39	38	0.3	10	1430	<2100	0.0
Andover	omo	orrm	orrm	orrm	42	40	39	1	13	1430	<2100	0.0
S. Farnborough ...	ofomo	od.o	or	IRorrq	44	35	38	Trace	4	1430	2200	0.5
London (Kew Obsy.) ...	omxom	ombcofr	ooq	aqorr.	44	42	39	0.2	0.5	1730	0230	0.8
Croydon	coxfm	oczm	comrr	omrr	44	40	38	Trace	3	1230	2400	2.1
Clacton-on-Sea ...	bcxbm	cmbc	bc	bcqr	43	34	36	-	2	-	0430	1.5
Shoeburyness	bmxc	c	bmbcc	orq	46	34	32	Trace	0.1	-	0630	2.0
Grain	cbcc	cbccb	bbcco	ooqr	44	38	32	-	0.2	-	0630	2.0
Lympne	omx	bom	bbcc	corrq	43	36	35	Trace	2	-	0430	2.6
Scilly (St. Mary's) ...	omr	omr	orq	obcqb	51	43	.	5	9	∠0800	<2100	0.4
Falmouth (Pendennis)	comr	comr	bcomr	corbc	50	45	.	3	10	∠0800	2400	0.0
Plymouth (Cattewater)	orr	orrm	orr	or	49	43	44	6	8	∠0800	<2100	0.0
Portland Bill	rord	r	r-d	r-d	47	45	.	1	13	1100	<2100	
Southampton (Calshot)	c	od.	od.orr	or.orrq	46	43	41	Trace	5	1530	<2100	0.5
Dungeness	cxm	c	c	coqrr	45	40	.	-	2	-	0430	
Guernsey	bbcco	oid.q	oirirmq	or.r.	45	41	.	Trace	9	1330	<2100	



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Barometer.
2.	1st 10h	Anglia	W	3	om	44	51	4
1	1st 12h	Reindeer	S	6	o+	49	52	4
3	2nd 2h	Brighton	SSW	6	or.+	44	55	7

GENERAL INFERENCE.

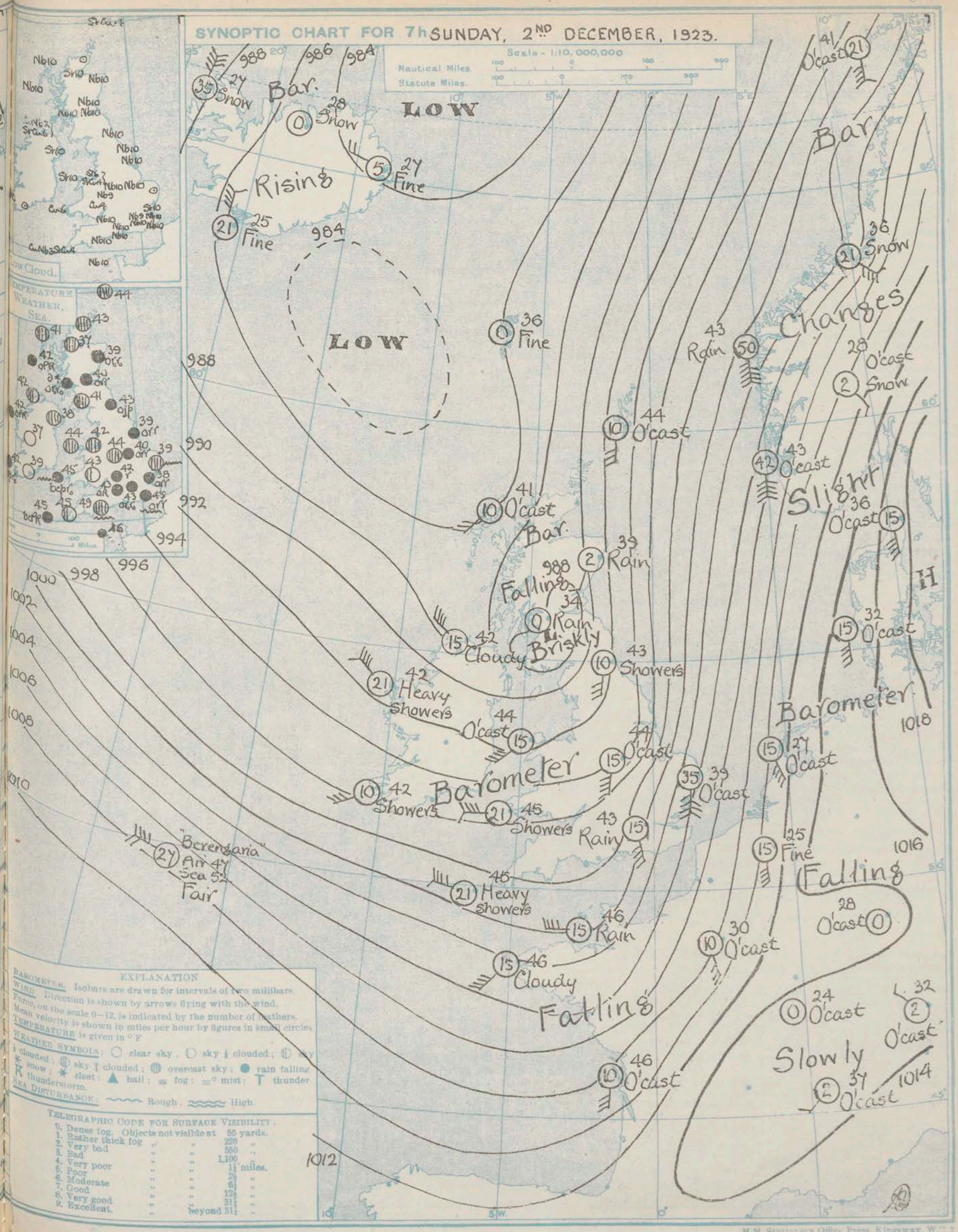
Pressure is lowest to the North of the British Isles, while a trough of low pressure over Scotland and Ireland is moving East. Weather will be unsettled generally with occasional rain or showers, but brighter periods are probable in most districts.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Sunday, 2nd December, 1923.	Further Outlook.
1. S.E. England ▼ 2. E. England ▼ 3. E. Midlands	Wind S.W. to W., fresh or strong, reaching gale at times on the coast; variable sky, some showers; visibility mainly good; moderate temperature.	
4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Wind S.W. to W., moderate to strong; variable sky, some showers; visibility good; moderate temperature.	Unsettled. ---- ▼South cone still flying.
11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N. & N.W. Scotland 15. Hebrides	Wind W. to N.W., moderate or fresh, cloudy, occasional rain or hail showers, brighter intervals; visibility mainly good; moderate to rather low temperature.	
16. Orkneys and Shetlands 17. N.W. Ireland	Wind southerly, veering S.W. to W, fresh or strong at times; cloudy, occasional rain or showers; visibility moderate to good; moderate temperature.	
18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind W. to N.W., moderate to strong; variable sky, some showers of rain or hail; visibility good; moderate to rather low temperature.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0915 GMT. G. C. SIMPSON, F.R.S., Director.

18/5/924. Wt. 114. 9,5342/Pr.1019. 12400. 12/23.

§ For Code see opposite page.



H.M. Stationery Office Press, Kingsway, W.C.2

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. SUNDAY, 2ND DECEMBER 1923. No. 336

Observations at 0100 G.M.T.

STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10
Lerwick	54	996.0	-3	S	3	o	45	85	6	-	-	0	ASt	9
Stornoway	51	991.0	-6	SW	5	oRR	•	•	3	•	•	•	•	•
Wick	81	992.3	-5	SSW	3	o	43	45	8	4000	StCu	4	ASt	10
Castlebay	37	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	46	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	71	990.2	-6	SE	3	c	40	94	8	5400	StCu	8	-	8
Renfrew	38	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	190	995.5	-4	S	2	o/r	40	92	8	•	-	0	ASt	10
Leuchars	35	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	794	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	118	998.3	-6	S	2	od	41	92	5	800	Nb	10	-	10
Blacksod Point	10	991.4	-1	NW	6	obr	44	85	3	•	•	•	•	10
Donaghadee	35	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	175	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	26	990.4	+3	SSE	6	orr	46	92	4	1500	Nb	10	-	10
Liverpool (Bidston)	189	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick)	16	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	26	1001.0	-6	SSE	8	or+	40	92	6	1500	St	10	-	10
Birmingham (Edgbaston)	525	•	•	•	•	•	•	•	•	•	•	•	•	•
Nottingham	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	237	002.4	-6	SE'S	4	orr	39	94	6	1500	Nb	10	-	10
Gorleston	13	1003.4	-3	S	4	o+	40	85	4	5400	StCu	9	-	9
Valencia (Cahirciveen)	30	995.9	0	SW	5	cPR	44	85	8	-	Cu	4	-	4
Roches Point	32	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	149	995.3	-10	S	4	orr	50	94	4	1500	Nb	10	-	10
Ross-on-Wye	223	•	•	•	•	•	•	•	•	•	•	•	•	•
Leafield	556	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	295	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough	230	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.)	18	•	•	•	•	•	43	•	•	•	•	•	•	•
Croydon	244	1006.6	-4	S	4	or	40	94	6	800	Nb	10	-	10
Clacton-on-Sea	54	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	11	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	20	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	350	1009.9	-6	SSW	6	c	39	85	8	4000	StCu	6	ASt	8
Scilly (St. Mary's)	131	999.9	-4	W'S	6	oR	51	97	4	4000	Nb	10	-	10
Falmouth (Pendennis)	200	998.4	-4	SW	6	or	51	97	6	4000	StCu	10	-	10
Plymouth (Cattewater)	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	19	1002.4	-4	SSW	4	orr	48	94	6	2500	Nb	10	-	10
Southampton (Calshot)	12	1004.9	-6	S	6	or	45	92	4	1500	St	10	-	10
Dungeness	21	1008.3	-6	SSW	6	c+	42	45	8	-	-	0	ACu	8
Guernsey	—													

Observations at 0700 G.M.T.

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	993.0	-2	S	3	o	44	85	4	5400	StCu	4	ASt	10	2
Stornoway	985.5	-1	SW	3	o/r	41	92	4	800	Nb	10	-	10	3
Wick	989.3	-3	SSW	3	o	43	85	8	-	-	0	ASt	10	0
Castlebay	984.1	-1	W	3	oPR	42	92	6	800	Nb	10	-	10	3
Nairn	988.4	•	-	0	ot	34	85	8	1500	St	10	-	10	•
Aberdeen	990.0	-6	SSW	1	orr	39	94	6	1500	Nb	10	-	10	0
Malin Head	987.6	-8	NW	4	c/r	42	92	8	5400	StCu	8	-	8	2
Renfrew	988.1	-6	-	0	orr	34	94	4	1500	Nb	10	-	10	•
Edinburgh (Inchkeith)	986.4	-9	E	3	orr	40	94	4	•	Nb	10	-	10	0
Leuchars	987.1	-8	-	0	or-	39	94	4	1500	Nb	10	-	10	•
Eskdalemuir	985.0	-8	SE	4	o/r	41	92	4	2500	StCu	10	-	10	•
Tynemouth	991.0	-6	S	3	ojp	43	92	6	800	Nb	10	-	10	2
Blacksod Point	991.5	0	NW	5	oPR	42	45	4	•	•	•	•	10	4
Donaghadee	989.4	0	SW	2	o/r	38	94	8	450	St	10	-	10	2
Birr Castle	992.1	•	S	1	b-	34	94	3	2500	StCu	3	-	3	•
Holyhead	991.5	+2	SW'W	4	0	44	94	4	800	St	10	-	10	3
Liverpool (Bidston)	992.1	+1	SW'W	4	o/r	42	85	8	2500	StCu	10	-	10	4
Chester (Shotwick)	992.3	+3	SSW	3	0	43	85	4	1500	St	10	-	10	•
Spurn Head	993.9	-5	SSE	4	orr	39	92	4	2500	Nb	10	-	10	5
Birmingham (Edgbaston)	994.1	-4	SSE	4	or-	44	92	8	1500	Nb	9	-	9	•
Nottingham	994.0	-5	S	4	o/r	44	92	8	800	Nb	10	-	10	•
Cranwell	996.0	-8	SSE	5	orr	40	94	6	800	Nb	10	-	10	•
Gorleston	1002.8	-3	S	4	0	39	85	4	-	-	0	ASt	10	6
Valencia (Cahirciveen)	995.1	-1	WSW	3	obr	42	45	4	1500	St	10	-	10	4
Roches Point	995.5	0	W	2	b	39	92	8	-	-	0	-	0	1
Pembroke (St. Ann's H.)	994.8	0	W	5	bcbr	45	85	8	2500	Cu	6	-	6	6
Ross-on-Wye	994.8	-1	SW'W	1	bc-	43	85	9	4000	Cu	4	-	4	•
Leafield	995.2	-4	S	3	or	42	94	5	4000	Nb	10	-	10	•
Andover	996.1	-8	S	5	o/r	45	94	4	450	Nb	10	-	10	•
S. Farnborough	994.3	-4	S	5	oR	43	94	4	1500	Nb	10	-	10	•
London (Kew Obsy.)	994.4	-6	SSE	4	orr	43	92	4	1500	Nb	9	ASt	10	•
Croydon	994.1	-5	S'W	5	orr	42	94	4	800	Nb	10	-	10	•
Clacton-on-Sea	1002.0	-6	ESE	6	orr	38	92	6	800	St	10	-	10	4
Shoeburyness	1000.4	-4	S'W	4	or	39	85	4	1500	StCu	10	-	10	•
Grain	1000.6	-6	S'E	6	orr	40	92	4	800	Nb	10	-	10	3
Lympne	1002.0	-8	SSW	4	or	38	92	4	800	Nb	10	-	10	•
Scilly (St. Mary's)	999.3	0	W'N	5	bPR	45	94	8	4000	CuNb	3	-	3	5
Falmouth (Pendennis)	998.5	0	W	4	bc-	45	85	8	5400	StCu	4	-	4	0
Plymouth (Cattewater)														
Portland Bill	996.2	-6	W	4	o/r	49	45	4	2500	Nb	10	-	10	6
Southampton (Calshot)	996.9	-8	SE	6	orr	46	92	4	800	Nb	10	-	10	3
Dungeness	1002.1	-6	SSW	4	orr	48	92	4	4000	Nb	10	-	10	4
Guernsey	999.0	-5	W	4	or	46	94	4	2500	Nb	10	-	10	3

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 1st Dec. 1923

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 30-1	Temperature. Max. Day. 1st	Rainfall.† Night 17h.-9h. 30-1st	Rainfall.† Day 9h.-17h. 1st	Sunshine.	Sunshine. Sunrise to Sunset. 1st
			°F.	°F.	mm.	mm.		hr.
Montrose	xfc	odf	33	39	0.4	1		1.9
Berwick-on-Tweed	pobc	pdd	36	41	0.2	0.3		3.2
Llandudno	doc	cbdc	41	51	tr	1		2.4
Colwyn Bay	c	o	37	49	-	-		1.2
Rhyl	ocp	bcpc	44	49	0.3	0.2		1.8
Southport	o	oro	34	44	4	1		0.0
Blackpool	od	o	37	43	7	1		0.0
Ilkley	omd	gdm	33	43	1	0.2		0.0
Harrogate	o	od	32	41	-	1		0.0
Skegness	bcoto	om	30	41	0.3	-		0.0
Aberystwyth	oo	co	40	48	1	-		0.2
Bath	od	od	25	45	-	0.5		0.0
Leamington Spa	o	od	26	43	-	0.3		0.0
Lowestoft	o	ocb	29	42	-	-		0.3
Felixstowe	cmcm	bcm	29	43	-	-		1.6
Southend	ocbc	cbc	29	45	0.2	-		2.0
Ilfracombe	o	ot	37	50	0.4	4		0.0
Bude	o	d	30	51	0.2	2		0.0
Torquay	d	t	32	48	0.2	4		0.0
Weymouth	ot	o	28	48	-	2		0.0
Bournemouth	o	o	28	46	-	0.2		0.0
Portsmouth (S'thsea)	omo	o	28	46	-	-		0.0
Littlehampton	bc	bc	26	45	-	-		7.1
Worthing	cbc	bcc	24	46	-	-		7.2
Brighton	cbc	cou	26	46	-	-		3.0
Eastbourne	bc	bcu	27	46	-	-		5.1
Hastings	xcbc	cbcb	30	46	0.1	-		4.3
Folkestone	fxxc	c	28	36	-	-		2.4
Dover	xFoc	c	29	46	-	-		1.5
Tunbridge Wells	omc	bbc	24	45	-	-		2.7
Ramsgate	xc	c	31	44	-	-		2.6
Margate	o	b	31	44	-	-		3.1
Deal	co	bcc	27	44	-	-		0.0

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* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. § For code see page 3. ‡ See footnote page 1

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B. 22656 Monday, 3rd December 1923.

Observations at 1300 G.M.T. 2nd

STATIONS. (For heights see p.4).	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Low Form	Low Amt. 0-10	Upper Form.	Total Amt. 0-10	State of ground.
Lerwick	991·5	-2	S	7	orr	44	92	6	4000	Nb	10	-	10	•
Stornoway	98[7]2	0	W	2	obr₀	42	92	7	800	Nb	9	-	9	-
Wick	987·0	-2	NW	1	orr	38	92	8	2500	Nb	10	-	10	•
Castlebay	988·9	+1	NW	3	c/r	44	85	8	1500	Nb	7	-	7	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	986·0	-3	S	3	or₀	43	92	6	1500	Nb	10	-	10	2
Malin Head	9904	+2	NW	4	bcpg	44	85	8	5700	CuNb	4	-	4	•
Renfrew	9896	+2	WSW	2	or₀	41	92	5	1500	Nb	10	-	10	2
Edinburgh (Inchkeith)	9883	+3	W	4	mbc	38	92	6	•	Cu	3	ACu	4	•
Leuchars	985·8	+2	WSW	4	o/r	38	92	7	800	Nb	6	ASt	10	2
Eskdalemuir	990·3	+4	[S]W	4	c	37	92	7	1500	StCu	8	-	8	2
Tynemouth	9915	+1	SSW	2	bc-	44	85	6	1500	St	3	CiCu	4	•
Blacksod Point	9956	+1	NW	4	bc	44	85	8	•	•	•	•	6	•
Donaghadee	992·2	0	W	3	bc-	44	85	8	800	StCu	4	-	4	•
Birr Castle	9944	*	SW	1	cpr₀	40	97	7	4000	Nb	8	-	8	•
Holyhead	993·1	+2	W	5	bc	45	75	8	4000	Cu	5?	-	5?	2
Liverpool (Bidston)	992·5	0	WSW	4	bc/r	43	92	7	4000	Cu	6?	-	6?	•
Chester (Shotwick)	992·6	-1	SW	3	c-	46	75	7	2500	StCu	8	-	8	1
Spurn Head	9934	-2	S	4	o	40	97	6	1500	St	10	-	10	•
Birmingham (Edgbaston)	9943	0	SSW	4	cjp	[44]	75	8	1500	CuNb	8	-	8	2
Nottingham	9934	-1	WSW	2	o+	46	85	5	1500	Nb	10	-	10	•
Cranwell	9941	-1	SW	1	c/r	47	92	6	1500	Nb	8	-	8	2
Gorleston	995·0	-3	S	6	orr	39	97	6	2500	Nb	10	-	10	•
Valencia (Cahirciveen)	998·1	+2	NW	4	b	44	75	8	2500	Cu	3	-	3	1
Roches Point	996·4	+1	WNW	4	c	42	85	8	4000	CuNb	4	Ci	8	•
Pembroke (St. Ann's H.)	9956	+?	WNW	3	cjp	45	75	8	2500	Nb	7	-	7	•
Ross-on-Wye	9948	0	W'S	2	b-v	47	65	9	4000	Cu	3	-	3	2
Leafield														
Andover	9958	-1	W'S	3	c	46	85	8	4000	StCu	7	-	7	2
S. Farnborough	995·8	-1	W	3	c-	49	85	7	2500	Cu	7	CiSt	8	2
London (Kew Obsy.)	995·7	-3	WSW	2	bc	47	85	6	2500	Cu	3	CiSt	4	2
Croydon	9964	-3	W'N	2	c-	45	92	6	1500	StCu	7	-	7	2
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	9964	-5	SSW	3	or₀g	42	92	7	800	Nb	10	-	10	•
Grain	996·1	-4	S'W	3	or₀f₀	43	92	7	800	Nb	10	-	10	2
Lympne	9966	-6	SSW	5	or₀r₀	41	97	5	<150	Nb	10	-	10	2
Scilly (St. Mary's)	998·6	-1	WNW	6	bc	43	97	8	4000	CuNb	5	-	5	•
Falmouth (Pendennis)	996·8	-3	WSW	4	cpr₀	46	75	8	5700	CuNb	7	-	7	•
Plymouth (Cattewater)	9969	-2	W	3	bc+	47	75	8	2500	CuNb	3	ACu	5	1
Portland Bill	9961	0	W	4	bc-	48	65	7	4000	Cu	4	-	4	•
Southampton (Calshot)	996·5	-1	W	4	c+	48	75	8	2500	StCu	7	-	7	0
Dungeness	996·7	-4	SSW	7	orr	43	97	6	4000	Nb	10	-	10	•
Guernsey	9986	-1	W	4	bc+	48	85	8	5700	CuNb	6	-	6	•

Observations at 1800 G.M.T. 2nd

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Low Form	Low Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9	Margin
Lerwick	991·1	0	SSE	9	od₀	43	92	6	4000	Nb	10	-	10	8	
Stornoway	9888	+3	NW	3	obr₀	40	92	6	800	Nb	9	-	9	2	
Wick	9870	0	NW	1	o/r	37	97	8	1500	St	10	-	10	1	
Castlebay	9904	+3	WNW	2	b	44	75	8	1500	Nb	3	-	3	2	
Nairn	9888	•	SW	1	bc/r	36	92	8	1500	St	6	-	6	•	
Aberdeen	9899	+7	SW	2	o	37	97	6	1500	St	10	-	10	1	
Malin Head	992·5	+3	WSW	4	b [phr₀]	41	97	8	5700	CuNb	3	-	3	2	
Renfrew	9919	+4	-	0	bc-	39	92	8	4000	StCu	4	-	4	•	
Edinburgh (Inchkeith)	990·1	+3	SW	2	b/f	39	92	8	•	StCu	3	-	3	0	
Leuchars	9899	+5	W	1	bc-	36	97	8	2500	StCu	4	-	4	•	
Eskdalemuir	9924	+3	SSE	2	o/r	36	97	7	1500	StCu	10	-	10	•	Sw/.
Tynemouth	9929	+1	SW	1	o+	41	92	6	-	-	0	ASt	9	2	
Blacksod Point	[997·2]	[+2]	[NW]	[6]	[pr₀]	[40]	[92]	[7]	•	•	•	•	[10]	[6]	
Donaghadee	9942	+2	SW'W	2	b	37	97	7	-	-	0	-	0	1	
Birr Castle	9969	•	W	1	b-	40	97	6	4000	Cu	3	-	3	•	
Holyhead	~~99..~~	+3	W'N	5	bc	44	85	8	4000	Cu	4	-	4	4	9951
Liverpool (Bidston)	9946	+1	WSW	2	b/r	40	97	8	4000	Cu	2	-	2	3	
Chester (Shotwick)	9943	+2	W	2	b	38	85	7	4000	StCu	1	-	1	•	
Spurn Head	9936	+1	SSW	1	mmo	40	97	5	800	St	10	-	10	2	
Birmingham (Edgbaston)	995·2	+1	SW	2	b/r	38	85	5	-	-	0	-	0	•	
Nottingham	9947	+3	WSW	1	mb	38	92	4	-	-	0	-	0	•	
Cranwell	9948	+1	W'S	3	c	41	92	6	1500	StCu	8	-	8	•	/
Gorleston	996·1	-2	SW	1	o+	40	97	6	4000	Nb	3	ASt	10	1	
Valencia (Cahirciveen)	1001·8	+5	WNW	4	c	43	75	7	2500	StCu	8	-	8	3	
Roches Point	9994	+4	WNW	4	b[struck out]	40	92	8	4000	CuNb	2	-	2	0	
Pembroke (St. Ann's H.)	9973	+2	N	3	bcPR	43	85	8	2500	Nb	6	-	6	4	
Ross-on-Wye	9960	+2	-	0	b-	37	85	7	4000	StCu	1	ASt	2	•	
Leafield	9959	+2	WSW	2	b	36	92	8	-	-	0	-	0	•	
Andover	9963	0	N	1	b-	35	97	7	4000	StCu	2	-	2	•	
S. Farnborough	9962	+1	-	0	b-	35	97	8	-	StCu	2	-	2	•	
London (Kew Obsy.)	996·0	+1	SSW	1	b	40	[8]5	6	2500	StCu	3	-	3	•	/
Croydon	9965	+1	SW'W	2	b	38	97	6	-	-	0	ASt	1	•	
Clacton-on-Sea	9953	0	WSW	3	bc-	40	97	6	1500	St	5	-	5	2	
Shoeburyness	9959	-1	SSW	1	mmbc	37	85	6	1500	St	5	-	5	•	
Grain	9959	+4	SSW	2	b	37	97	5	-	-	0	-	0	0	
Lympne	996·0	0	W'N	3	b	40	97	6	4000	StCu	2	-	2	•	
Scilly (St. Mary's)	999·7	+2	WNW	6	bcPH	43	85	8	4000	Cu	5	-	5	6	
Falmouth (Pendennis)	997·8	+1	W	3	cpr₀	40	85	8	5700	CuNb	8	-	8	0	
Plymouth (Cattewater)	9969	+1	W	1	or	41	92	7	2500	Nb	10	-	10	0	
Portland Bill	995·1	-2	WNW	3	or	42	75	7	2500	Nb	10	-	10	4	
Southampton (Calshot)	9965	+1	WSW	1	b	41	85	7	-	-	0	-	0	0	
Dungeness	996·2	+1	NW	2	b-	42	97	7	-	-	0	CiCu	1	5	
Guernsey	9979	-1	W	5	cPR-	43	85	6	4000	CuNb	7	-	7	3	

LONDON OBSERVATIONS.	Height above M.S.L. in feet.	Weather Morning (24 Hours ended 0900 G.M.T. 3rd)	Weather Afternoon	Weather Night	Temperature Max. °F.	Temperature Min. °F.	Min. on Grass. °F.	Rainfall mm. Day	Rainfall mm. Night	Sunshine to Sunset, hrs. (Yesterday)	Humidity 15h G.M.T. % (Yesterday)	Humidity 9h G.M.T. % (To-day)	Visibility 9h.
Kew } 24 hours ended 0700	18	arombc	bcmbm	bfxbfx	•	•	22	2	-	2·5	•	•	
Croydon } 24 hours ended 0700	244	omr₀	bzm	bomabo	•	•	25	6	-	1·9	•	•	5
Greenwich (Royal Obsy.)	149	or	obc	bfobm	47	31	24	2	-	0·1	79	97	2
City (Bunhill Row)	80	•	•	•	•	•	•	•	•		•	•	•
Westminster (St. James' Pk.)	27	•	•	•	48	30	25	2		0·7	84	100	•
Regent's Pk. (Botanic Gdns).	—	•	•	•	•	•	•	•	•	0·8	•	•	•
Camden Square	110	ooro	ocf	•	47	31	28	1	-	•	•	94	•
Kensington Palace	80	orbc	bc	•	47	31	23	2	-	•	At 18h 85	87	•
Hampstead Observatory	450	•	•	•	45	29	19	2	-	0·7		100	•

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 HR. ended 1800 G.M.T. 2nd

South Kensington Max.	Time.	Min.	Time.
-	-	-	-

Kew Observatory Max.	Time.	Min.	Time.
-	-	-	-

POLE STAR RECORD at Greenwich Obsy.

Exposure from 2nd 17 h. 00 m. to 3rd 06 h. 30 m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	13 30	3 30	26
δ Ursae Minoris	13 30	0 16	2

CODE FOR STATE OF GROUND.
0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew or wet grass but not wet ground).
6=Skating to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.¹

Time.	Type.	No. per ¼ sec.	Stren.	Direc.
13h	-	-	-	-
18h	-	-	-	-
01h	-	-	-	-
07h	-	-	-	-

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM. 3rd & 4th December 1923.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7.45 / 7.46	11.43 / 11.43	3.41 / 3.40
Greenwich	7.48 / 7.49	11.50 / 11.50	3.51 / 3.52
Wick	8.41 / 8.43	12.2 / 12.2	3.23 / 3.22
Valencia	8.31 / 8.32	12.31 / 12.31	4.31 / 4.30

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, „ less than 200 m.
m mist, „ 1000—10000 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. r rain. s snow.
rs sleet t thunder.
u ugly, threatening sky.
v unusual visibility. w dew.
x hoar frost. y dry air.
z dust haze; the turbid atmosphere of dry weather.
h(r)="hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity.
R = heavy rain. r₀ = slight rain.
rr = continuous rain.

SYMBOLS.
< = { less than (for cloud height). before (for precipitation).
⊕ = solar halo. Ⓤ = lunar halo.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions, thus:—b/r = fair weather after rain; − = "decreasing"; + = "increasing."

The BEAUFORT SCALE of WIND is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers, is the speed at about 30 feet above the ground.

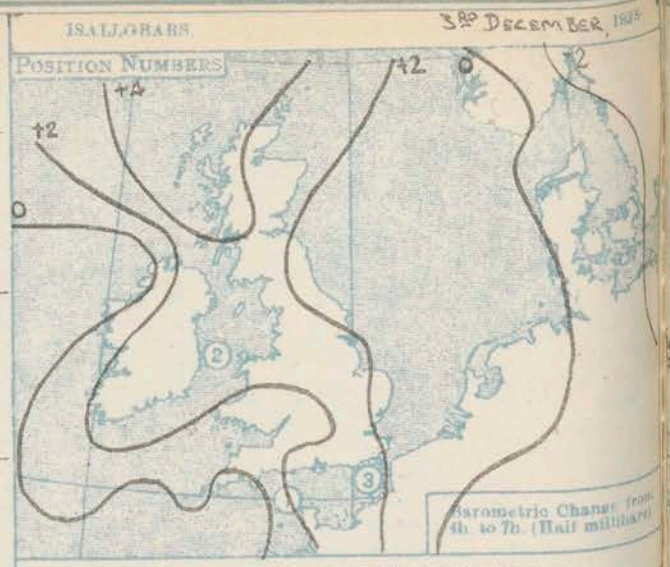
SEA DISTURBANCE.
0=no swell } Calm or
1=mod. swell } slight
2=heavy swell } sea.
3=no swell } Moderate
4=mod. swell } sea.
5=heavy swell }
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1-3
2	4-7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

¹ For explanation see Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 2nd	13h.-18h. 2nd	18h.-1h. 2nd to 1h. 3rd	1h.-7h. 3rd	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS.	RAINFALL.† Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began.	SUN 2nd Hours.
Lerwick	omr	omrq	omrq	omrq	45	41	•	12	11	<0800	<2100	0.0
Stornoway	c	cpr	bbc	b	43	33	•	1	–	–	–	0.0
Wick	orr	oro	oiro	bbc	43	34	•	6	0.1	09.00	22.00	•
Castlebay	pc	bc	bcoP	oPbc	45	38	•	3	5	–	–	1.3
Nairn	oro	oro	bc	cbcx	37	31	•	5	–	0900	–	0.0
Aberdeen	rroiro	doom	obo	oo	44	35	29	8	–	<0800	–	0.0
Malin Head	pobcv	phorv	coihr	bcihr	46	37	•	0.5	3	0900	<2100	2.5
Renfrew	orrmro	oroc	bcbx	bb	41	28	20	5	–	<0800	–	0.0
Edinburgh (Inchkeith)	p	c	bm	mm	43	34	?	0.4	0.2	<0800	2200	1.3
Leuchars	oropro	oproc	bcor	orbc	43	32	27	1	4	<0800	2200	0.2
Eskdalemuir	oroc	omiro	oc	cox	42	?	28	0.5	–	0900	–	0.0
Tynemouth	cm	c	oirom	bbcm	44	34	33	–	1	–	<2100	•
Blacksod Point ...	p	p	p	p	44	33	•	1	3	–	–	•
Donaghadee	bc	bc	p	bc	45	33	•	–	–	–	–	•
Birr Castle	cobr	cobc	bc	bc pr	40	33	23	0.5	1	1100	–	0.9
Holyhead	orbo	bc	bbc	bc	45	41	39	0.2	–	<0800	–	4.6
Liverpool (Bidston) ...	cob	c	r-d	r-d	44	36	32	2	2	0900	2100	1.7
Chester (Shotwick) ...	ocpro	bcbb	bbx	bxcomm	48	30	21	0.1	1	0900	0530	2.8
Spurn Head	oo	oom	bbc	bmwbx	41	35	•	2	trace	–	<2100	0.1
Birmingham (Edgbaston)	orbcc	bcsbm	bbx	bbcbx	46	31	27	0.4	–	16.30	–	3.9
Nottingham	orb	c	bfx	f-mx	46	30	26	2	–	<0800	–	1.3
Cranwell	oroce	cm	bbcm	bbccb	47	31	27	2	–	<0800	–	0.8
Gorleston	oqr	orco	bm	bmbmx	40	31	29	8	–	<0800	–	0.0
Valencia (Cahirciveen)	phprb	cphoc	bccpo	cpbcp	45	40	35	4	2	0900	<2100	2.6
Roches Point	bbc	cpbp	bvv	bvv	45	39 31	•	0.4	0.1	15.30	–	*
Pembroke (St. Ann's H.)	p	p	c	c	50	40	•	2	0.4	0800	<2100	1.9
Ross-on-Wye	pobcy	bcycb	bmbfx	bxbcx	48	29	22	0.1	–	0900	–	5.9
Leafield		opcb	bbc	bcx	46	31	22	0.3	–	14.30	–	4.5
Andover	oproc	cbcb	bbmx	bcxcmx	48	29	19	1	–	<0800	–	4.5
S. Farnborough ...	orroc	bcb	bf	bfcm	50	27	19	2	–	0900	–	4.6
London (Kew Obsy.) ...	oromb	bcmbm	bmfx	bfxbfx	48	30	22	2	–	–	–	2.5
Croydon	omrro	bzm	bamx	ocbcmx	48	32	25	6	–	<0800	–	1.9
Clacton-on-Sea ...	ogr	ogrbcm	bcm	bccmx	41	32	29	6	–	<0800	–	0.1
Shoeburyness	oirorro	orrcbc	bcmff	cffx	44	28	21	1	trace	–	–	0.7
Grain	orrro	bmw b	bxbbm	dxm	44	30	23	1	trace	<0800	–	1.0
Lympne	orrm	orcm	bbc	bcprm	44	35	22	4	1	<0800	2400	0.0
Scilly (St. Mary's) ...	bcqph	bcphq	bcbbq	bbq	47	40	•	3	2	<0800	2100	2.4
Falmouth (Pendennis)	cpr	copr	cophr	bcphr	48	40	•	3	4	0900	<2100	2.6
Plymouth (Cattewater)	cbcprbc	bcorr	orb	ohop	48	38	38	3 1	4	0900	<2100	3.4
Portland Bill	c	r-d	bbc	bbc	49	40	•	1	trace	14.30	<2100	•
Southampton (Calshot)	obcc	cbcb	bcorrc	owcbcb	50	33	30	0.2	5	0900	<2100	5.2
Dungeness	orr	rr	opr	prmdf	44	35	•	12	4	<0800	<2100	•
Guernsey	ocbcb	cpr	copr	cbc	49	41	•	2	2	0900	<2100	•



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility.
2	2nd 1005	ANGLIA	WIN	5	bc	42	50	8
3	3rd 0100	DIEPPE	WNW	2	PR	43	50	7

GENERAL INFERENCE.

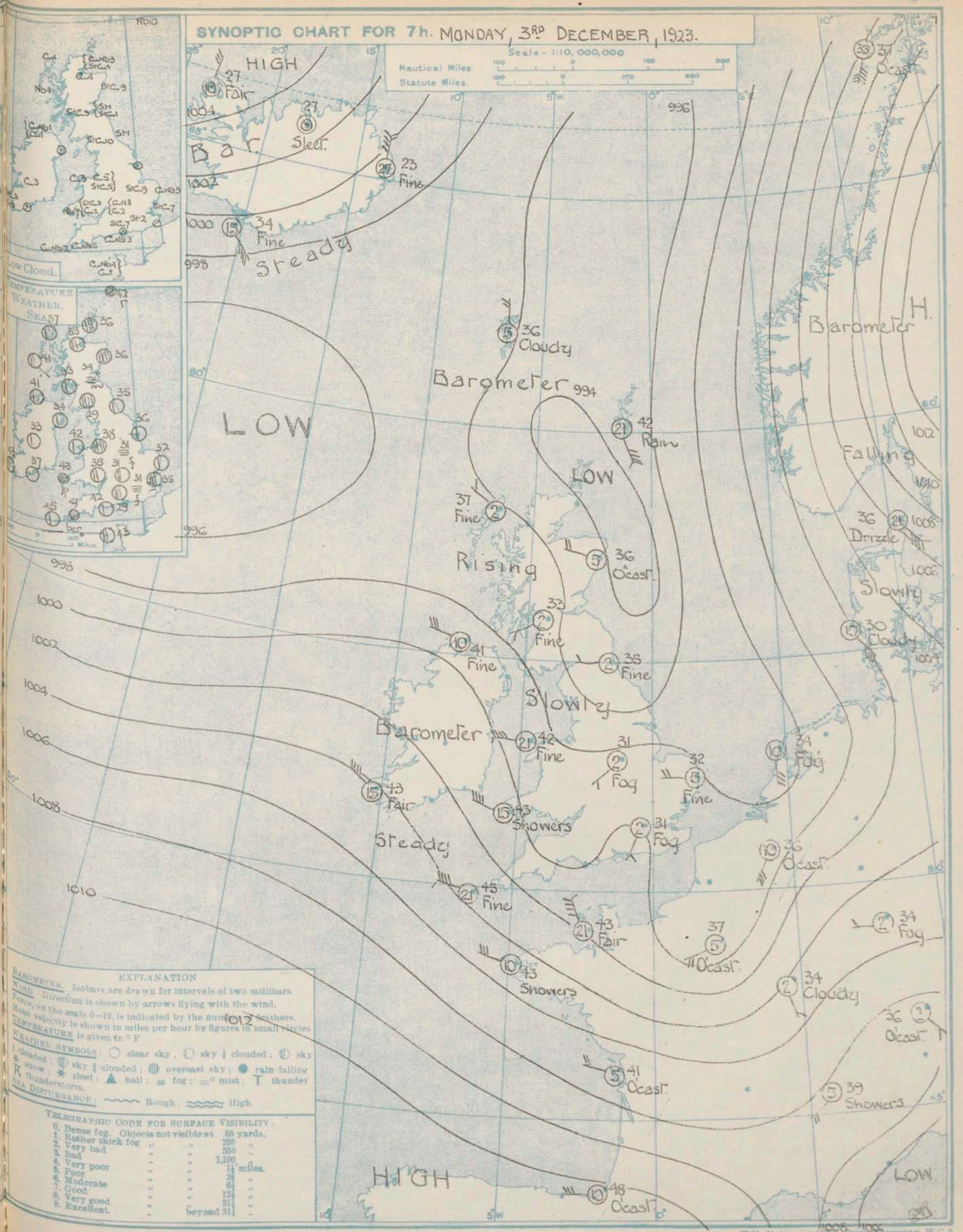
A secondary depression is filling up off our NE. coasts and weather will be fair today apart from some local showers. A new depression which has appeared South of Iceland will, however, cause further rain before long. Frost and fog will occur tonight and tomorrow morning in many districts.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Monday, 3rd December, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands	Wind light, westerly; mainly fair today with fog night and morning, less fair tomorrow; rather cold with frost at night.	Unsettled.
4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales	Wind WNW., backing to SW., moderate at first, freshening later; occasional showers today, fog locally at night, some rain tomorrow; rather cold, then milder.	
8. N.W. England 9. N. Midlands 10. N.E. England 11. E. Scotland 12. S.W. Scotland 13. Isle of Man	Today Light westerly wind; fair apart from local showers; fog locally at night; cold. Tommorrow. Wind freshening from SW. or S; some rain; milder temporarily.	
14. N.&N.W. Scotland 15. Hebrides	Wind SW. or S., moderate to strong; some rain; visibility moderate; milder temporarily.	
16. Orkneys and Shetlands	Light variable winds; some showers of hail or snow; rather cold.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind W., backing SW. or S., moderate to strong; some rain; visibility moderate; milder temporarily.	

G.S.B.

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0900 G.M.T. G. C. SIMPSON, F.R.S., Director.

† For Code see opposite page.



H.M. Stationery Office Press, Kingsway, W.C. 2

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION....Monday, 3rd December.....1923. No. 334...

Observations at 0100 G.M.T.....3rd.....

Stations.	Height above M.S.L. in feet	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10
Lerwick	54	992.7	+2	SSE	8	or	42	97	6	4000	Nb	8	A.St	10
Stornoway	51	993.1	+3	W	3	bc-	*	*	6	*	*	*	*	*
Wick	81	991.3	+3	WSW	2	bc-	37	92	8	1500	St	3	Ci	6
Castlebay	37	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	82	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	46	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	71	994.6	+1	NNW	3	b/fh	41	92	8	4000	Nb	1	-	1
Renfrew	38	*	*	*	*	*	*	*	*	*	*	*	*	*
Edinburgh (Inchkeith)	199	992.7	+2	SW	2	cmb	37	97	4	*	-	0	A.St	2
Leuchars	36	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*
Tynemouth	118	994.6	0	W	1	c/r	39	97	7	1500	St	4	Ci.Cu	7
Blacksod Point	10	?	0	?	6	o+	42	75	5	*	*	*	*	10
Donaghadee	35	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	175	*	*	*	*	*	*	*	*	*	*	*	*	*
Holyhead	28	997.0	0	W'N	4	bc	42	85	8	2500	StCu	4	-	4
Liverpool (Bidston)	189	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Shotwick)	16	*	*	*	*	*	*	*	*	*	*	*	*	*
Spurn Head	26	994.3	+1	W	4	b	38	92	5	-	-	0	-	0
Birmingham (Edgbaston)	525	*	*	*	*	*	*	*	*	*	*	*	*	*
Nottingham	82	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	237	996.7	+1	W'S	3	b	33	97	6	-	-	0	-	0
Gorleston	13	997.1	+1	W	3	mb-	34	97	5	-	-	0	-	0
Valencia (Cahirciveen)	30	1002.3	-2	NW	5	bPR	42	92	8	-	StCu	6	-	6
Roches Point	32	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	149	1000.2	+3	NW	4	c	43	75	8	2500	StCu	7	-	7
Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*
Leafield	556	*	*	*	*	*	*	*	*	*	*	*	*	*
Andover	295	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough	230	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.)	18	*	*	*	*	*	31	*	*	*	*	*	*	*
Croydon	244	998.3	+2	W	1	o+	34	97	6	2500	StCu	10	-	10
Clacton-on-Sea	54	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	20	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	350	996.9	+1	SE	1	bc	37	97	6	2500	StCu	6	-	6
Scilly (St. Mary's)	131	1003.6	+4	NW	6	b	45	92	8	4000	CuNb	2	-	2
Falmouth (Pendennis)	200	1001.7	+2	W	3	bpr	41	85	8	5700	CuNb	5	-	5
Plymouth (Cattewater)	82	*	*	*	*	*	*	*	*	*	*	*	*	*
Portland Bill	19	998.2	+4	NW	3	b	43	75	7	-	-	0	-	0
Southampton (Calshot)	12	997.9	+2	NW	3	o	38	92	8	1500	St	10	-	10
Dungeness	21	997.2	0	N	1	or	37	97	7	4000	Nb	10	-	10
Guernsey														

Observations at 0700 G.M.T.....3rd.....

Stations.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea 0-9
Lerwick	998.8	+4	SSE	5	or	42	92	6	4000	Nb	10	-	10	4
Stornoway	996.3	+4	NW	1	b	37	85	8	4000	Cu	1	-	1	1
Wick	993.4	+3	WNW	1	c	36	97	8	2500	St.Cu	7	-	7	1
Castlebay	996.8	+4	NW	3	bc/r	41	85	8	1500	Nb	4	-	4	3
Nairn	996.1	*	-	0	bc-	33	85	8	4000	Cu	4	-	4	*
Aberdeen	994.8	+3	WNW	2	o	36	92	7	4000	StCu	9	-	9	1
Malin Head	998.2	+3	WNW	3	b/h	41	92	8	4000	Cu	2	-	2	2
Renfrew	996.5	+4	WSW	1	b	33	97	6	2500	StCu	3	-	3	*
Edinburgh (Inchkeith)	995.4	+2	W	2	mb-	34	97	6	*	St	2	-	2	1
Leuchars	995.4	+2	WNW	1	bc-	32	92	8	2500	St	2	A.Cu	6	*
Eskdalemuir	997.0	+2	-	0	o	29	92	7	1500	StCu	10	-	10	*
Tynemouth	995.7	+1	W	1	b	35	97	5	800	St	1	Ci	3	*
Blacksod Point	1001.9	+1	NNW	4	bc	40	85	7	*	*	*	*	5	4
Donaghadee	998.2	+2	WSW	2	b+	34	85	8	-	-	0	A.Cu	3	2
Birr Castle	1001.6	*	W	2	b	33	97	6	4000	Cu	3	-	3	*
Holyhead	998.4	+2	W'N	5	b	42	85	8	2500	Cu	3	-	3	*
Liverpool (Bidston)	997.8	+2	W	3	o/r	38	92	7	2500	Cu	10	-	10	4
Chester (Shotwick)	998.4	+4	SW	2	o/r	36	92	6	2500	Nb	10	-	10	*
Spurn Head	996.8	+2	WS	3	b+	36	92	5	-	-	0	Ci	2	2
Birmingham (Edgbaston)	999.1	+1	SW	3	b+	35	92	7	1500	StCu	3	-	3	*
Nottingham	998.7	+2	SW	1	fo	31	97	3	2500	StCu	9	-	9	*
Cranwell	998.7	+2	WSW	3	b-	33	92	6	4000	StCu	3	-	3	*
Gorleston	998.3	+1	W'N	2	b	32	85	5	4000	CuNb	3	-	3	1
Valencia (Cahirciveen)	1004.6	+3	NW	4	bc	43	75	7	2500	StCu	5	-	5	4
Roches Point	1002.8	+3	WNW	3	b	37	97	8	-	-	0	-	0	0
Pembroke (St. Ann's H.)	1001.3	+1	NW	4	cjb	43	75	8	2500	Nb	7	-	7	4
Ross-on-Wye	999.7	+1	SSW	2	bc-	35	92	8	4000	StCu	5	-	5	*
Leafield	999.5	+1	WSW	2	bc+	31	97	6	5700	CuNb	5	-	5	*
Andover	1000.1	+1	NW'W	2	c	30	97	6	2500	StCu	7	-	7	*
S. Farnborough	999.8	+1	W	2	mc-	29	97	5	2500	StCu	7	A.Cu	8	*
London (Kew Obsy.)	1000.8	+2	SSW	1	ffb	31	97	2	2500	St	2	-	2	*
Croydon	1000.0	+2	WSW	2	bc-	32	97	6	-	-	0	A.St	4	*
Clacton-on-Sea	998.1	+1	NW	2	c	35	97	5	7200	StCu	7	-	7	0
Shoeburyness	999.7	+1	W'N	1	ff-	33	85	3	5700	StCu	4	A.Cu	7	*
Grain	999.1	+4	W	3	o	33	97	54	4000	StCu	4	A.Cu	9	1
Lympne	998.7	+3	N	3	c	35	97	5	1500	StCu	5	A.Cu	8	*
Scilly (St. Mary's)	1003.5	0	WNW	5	b	45	92	8	4000	CuNb	2	-	2	6
Falmouth (Pendennis)	1001.3	-1	W	3	bcr	41	85	8	5700	CuNb	5	-	5	0
Plymouth (Cattewater)	1002.0	0	W'N	4	opR	41	85	7	1500	CuNb	9	-	9	0
Portland Bill	999.5	+2	NW	3	b+	42	75	7	4000	CuNb	3	-	3	3
Southampton (Calshot)	1000.1	+1	W	2	b	34	92	7	-	-	0	-	0	0
Dungeness	998.5	+2	N	2	ffo	35	97	3	-	-	0	A.St	10	3
Guernsey	1002.0	0	NNW	5	bc/r	43	85	8	4000	CuNb	5	-	5	1

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR.....2nd Dec.....

Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 1st-2nd °F	Temperature. Max. Day. 2nd °F.	Rainfall.† Night 17h.-9h. 1st-2nd mm.	Rainfall.† Day 9h.-17h. 2nd mm.	Sunshine.	Sunshine. Sunrise to Sunset. 2nd hr.
Montrose	orm	prbc	36	45	10	1		0.0
Berwick-on-Tweed	prhd	prbcv	35	44	3	0.3		1.2
Llandudno	roc	bc	42	45	2	0.2		0.9
Colwyn Bay	cp	bc	40	44	5	3		1.7
Rhyl	rcbc	bcc	41	48	2	1		1.8
Southport	coro	pocbc	41	43	4	2		0.3
Blackpool	orc	bc	42	43	5	2		0.7
Ilkley	rogbc	c	40	44	8	-		0.0
Harrogate	bc	cbc	37	42	9	-		0.4
Skegness	ulro	co	38	42	7	0.3		0.5
Aberystwyth	rcb	b	43	49	5	-		5.0
Bath	pocbc	bbcm	43	48	14	0.2		3.6
Leamington Spa	bc	bcb	35	47	9	-		4.0
Lowestoft	or	ro om	38	41	2	7		0.0
Felixstowe	omr	oro	37	42	9	11		0.0
Southend	orq	poc	35	45	0.2	0.2		0.7
Ilfracombe	bphc	cor	42	47	15	5		1.6
Bude	prpcp	r	44	46	8	2		2.2
Torquay	b	bcbc	41	49	13	2		5.4
Weymouth	b	bor	42	49	17	2		5.3
Bournemouth	b	b	41	49	8	-		5.7
Portsmouth (S'thsea)	cbb	b	43	50	9	-		5.0
Littlehampton	bc	bc	43	48	8	-		3.9
Worthing	robc	bcb	43	47	6	1		3.6
Brighton	crbcb	bbcb	42	47	7	1		3.2
Eastbourne	roc	bcb	41	47	8	85		1.9
Hastings	orr	orpcb	39	46	8	5		1.1
Folkestone	dod	obc	33	46	3	2		0.0
Dover	ro.oqr	orbcb	37	46	2	2		0.0
Tunbridge Wells	oro	cbc	38	49	8	3		1.0
Ramsgate	ro	o	32	43	1	1		0.0
Margate	or	or	36	43	1	43		0.0
Deal	rr	rro	36	43	5	4		0.0

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* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. § For code see page 3. ‡ See footnote page 1

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.22657 TUESDAY, 4th DECEMBER 1923.

Observations at 1300 G.M.T. 3rd (columns 1300) and Observations at 1800 G.M.T. 3rd (columns 1800)

STATIONS. (For heights see p. 4).	1300 Barom. at M.S.L. mb.	1300 Change in 3 Hours.‡	1300 Wind Direc.	1300 Wind Force 0-12	1300 Weather.	1300 Temp. °F.	1300 Humidity. %	1300 Visibility.§ 0-9	1300 Cloud Low Height Feet	1300 Cloud Low Form	1300 Cloud Low Amt. 0-10	1300 Cloud Upper Form.	1300 Cloud Total Amt. 0-10	State of ground.	1800 Barom. at M.S.L. mb.	1800 Change in 3 Hours.‡	1800 Wind Direc.	1800 Wind Force 0-12	1800 Weather.	1800 Temp. °F.	1800 Humidity. %	1800 Visibility.§ 0-9	1800 Cloud Low Height Feet	1800 Cloud Low Form	1800 Cloud Low Amt. 0-10	1800 Cloud Upper Form.	1800 Cloud Total Amt. 0-10	Sea.
Lerwick	997.3	+1	SSE	3	o	42	85	6	5700	StCu	5	ASt	10	•	998.0	0	S	1	bc-	43	85	6	–	–	0	ASt	6	0
Stornoway	998.6	+2	NW	2	b+	41	85	8	4000	Cu	3	–	3	•	998.1	0	–	0	b-	32	97	8	–	–	0	–	0	0
Wick	996.2	0	WNW	2	or₀	39	97	8	2500	Nb	10	–	10	•	996.9	+1	WNW	2	bc/r	38	92	8	1500	CuNb	4	–	4	1
Castlebay	999.2	0	S	1	b	44	75	8	4000	Cu	1	–	1	•	998.3	-1	SW	3	cpr₀	44	75	7	1500	Nb	10	–	10	2
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•	998.9	•	W	1	b-	33	85	8	1500	St	3	–	3	•
Aberdeen	998.1	+1	W'N	2	bc+	39	85	7	4000	StCu	4	–	4	1	999.2	+2	WSW	3	b	35	92	6	–	–	0	–	0	1
Malin Head	1000.3	+2	W	3	b	43	85	8	5700	CuNb	2	CiCu	3	•	999.7	-0	SSE	2	c	37	97	7	5700	StCu	7	ACu	8	2
Renfrew	1000.1	+2	W	2	b	41	85	6	–	–	0	–	0	6	1001.0	+2	–	0	bff	28	97	2	–	–	0	–	0	•
Edinburgh (Inchkeith)	998.7	0	W	1	fb-	34	97	0	•	-	0	–	0	•	1000.7	+1	WSW	2	bm-	34	92	6	•	–	0	–	0	1
Leuchars	998.4	+1	W	1	b	39	85	8	–	–	0	–	0	1	999.6	+1	–	0	b-	29	92	7	–	–	0	–	0	•
Eskdalemuir	999.7	+2	SE	2	b	37	92	7	–	–	0	–	0	3	1002.2	+2	–	0	Fo	29	97	1	<150	St	10	–	10	•
Tynemouth	998.6	+1	WNW	2	c	41	85	6	800	Nb	8	–	8	•	999.7	+1	W	1	b/r	35	92	6	–	–	0	ACu	1	1
Blacksod Point	1003.7	+1	NW	2	o	44	75	8	•	•	•	•	9	•	1000.1	-3	S'W	5	oPR+	39	92	4	•	•	•	•	10	6
Donaghadee	1001.7	+1	W	2	b	41	85	8	–	–	0	–	0	•	1002.9	+1	W	3	bm	34	85	6	–	–	0	–	0	2
Birr Castle	1004.4	*	SW	1	b	40	85	7	4000	Cu	3	–	3	•	1003.6	•	SE	1	o+	37	92	6	2500	StCu	10	–	10	•
Holyhead	1001.8	+2	NW	4	b	43	75	9	2500	Cu	3	–	3	1	1003.8	+3	W'S	3	b	41	75	8	2500	Cu	3	–	3	2
Liverpool (Bidston)	1001.1	+2	WNW	2	bc	40	85	8	2500	StCu	4	–	4	•	1002.9	+2	WSW	2	bc	38	85	7	4000	Cu	3	ACu	6	3
Chester (Shotwick)	1001.1	+2	WNW	3	o	42	85	7	1500	St	9	–	9	2	1003.0	+1	WNW	1	b	35	92	6	4000	StCu	1	Ci	2	•
Spurn Head	999.7	-2	W	3	mmb	39	92	4	–	–	0	–	0	•	1001.8	+3	W	2	ffb	37	92	3	–	–	0	–	0	1
Birmingham (Edgbaston)	1001.4	+1	WNW	3	mb-	40	75	4	–	–	0	–	0	2	1003.9	+2	SW	3	bmm	36	85	5	1500	St	1	–	1	•
Nottingham	1000.4	+1	WSW	2	ffb	39	92	3	2500	Cu	1	–	1	•	1003.2	+2	WSW	2	ffb	34	92	3	–	–	0	–	0	•
Cranwell	1000.8	0	WSW	1	b	38	85	5	–	-	0	–	0	2	1003.1	+3	WSW	2	b	32	97	5	–	-	0	–	0	•
Gorleston	998.6	+1	NW'W	2	mbc-	36	92	4	–	–	0	CiCu	5	•	1002.7	+2	W	2	bmm	33	97	4	–	–	0	–	0	0
Valencia (Cahirciveen)	1006.9	-2	W'N	2	b-	40	65	8	2500	StCu	3	–	3	1	1003.0	-6	S'W	3	o	45	85	8	2500	St	2	ASt	10	4
Roches Point	1005.8	+1	WNW	3	b	43	75	8	–	–	0	Ci	1	•	1005.3	0	–	0	o	42	85	8	–	–	0	ASt	10	0
Pembroke (St. Ann's H.)	1003.3	+2	N	4	c	41	85	8	2500	Cu	7	–	7	•	1005.7	+3	NW	3	bc	40	85	8	2500	StCu	4	–	4	4
Ross-on-Wye	1001.9	+2	SW	1	b	44	75	8	–	–	0	–	0	1	1004.6	+3	S	1	b	35	85	8	–	–	0	–	0	•
Leafield	1002.1	+2	WSW	2	b-	40	75	7	2500	Cu	1	ASt	3	*	1005.1	+0	W	2	b	34	85	6	4000	Cu	3	–	3	•
Andover	1002.1	+1	NW'W	2	b-	39	85	6	–	–	0	Ci	3	1	1004.7	+4	W	2	b-	31	97	6	–	–	0	–	0	•
S. Farnborough	1002.0	+1	WNW	2	mmb	42	85	6	–	–	0	–	0	1	1005.8	+5	–	0	bmm	30	97	5	–	–	0	–	0	•
London (Kew Obsy.)	1001.3	0	W	2	mo-	40	85	5	–	–	0	–	0	1	1004.4	+4	–	0	fb-	35	92	3	–	–	0	–	0	•
Croydon	1001.5	+1	WNW	2	b	41	85	4	–	–	0	–	0	2	1004.6	+5	WSW	2	bmm	34	97	4	–	–	0	–	0	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1003.0	+2	WNW	2	b	34	97	5	1500	St	2	–	2	0
Shoeburyness	1000.9	0	NW	2	mmb	41	75	6	–	–	0	CiSt	2	•	1003.5	+4	–	0	od₀	35	85	6	1500	StCu	10	–	10	•
Grain	1000.9	+1	WNW	3	b-	40	85	5	–	–	0	Ci	1	2	1004.3	+4	SW'W	2	b-	31	92	5	–	–	0	–	0	0
Lympne	1001.0	+1	N	3	mmb	40	92	5	–	–	0	ASt	3	2	1003.7	+4	N'W	3	b	34	92	4	–	–	0	Ci	1	•
Scilly (St. Mary's)	1005.3	+2	NW	6	bc	45	85	8	4000	Cu	4	–	4	•	1007.7	+3	NW	4	bc	44	75	8	4000	Cu	5	–	5	5
Falmouth (Pendennis)	1003.7	+1	NW'N	4	bc+	44	65	8	5700	CuNb	4	–	4	•	1006.3	+3	NNW	2	bc+	41	75	8	5700	StCu	5	–	5	0
Plymouth (Cattewater)	1003.3	+2	WNW	3	oPR	40	92	6	1500	CuNb	10	–	10	2	1006.1	+4	WNW	1	b-	38	97	8	–	–	0	–	0	0
Portland Bill	1001.4	0	NW	3	or₀	43	75	7	2500	Nb	10	–	10	•	1004.2	+6	NW	2	b-	39	75	7	–	–	0	–	0	4
Southampton (Calshot)	1002.2	+1	NW'W	2	bc+	41	85	6	–	–	0	Ci	5	2	1005.0	+4	WNW	3	b-	35	92	6	–	–	0	–	0	0
Dungeness	1000.6	+1	NW	2	bc-	42	85	7	–	–	0	CiCu	4	•	1003.4	+4	N	2	b	35	97	6	–	–	0	–	0	3
Guernsey	1003.0	-2	WSW	2	opr₀	40	97	7	2500	Nb	9	–	9	•	1005.2	+5	NNW	2	bc/r	42	85	6	4000	Cu	6	–	6	1

LONDON OBSERVATIONS.	Heights above M.S.L. in feet.	Weather: Morning.	Weather: Afternoon.	Weather: Night.	Temperature: Max. °F.	Temperature: Min. °F.	Min. on Grass. °F.	Rainfall mm. Day.	Rainfall mm. Night.	Sunshine to Sunset, hrs.	Humidity 15h. G.M.T. %	Humidity 9h. G.M.T. %	Visibility 9h.
		24 HOURS ENDED 0900 G.M.T. 4th								YESTERDAY.		TO-DAY.	
Kew (24 hours ended 0700)	18	fxbm	bzbf	bfxomf	•	•	20	0.1	0.1	5.0	•	•	6
Croydon (24 hours ended 0700)	244	bcmb	bmf	bmx pcs	•	•	21	–	0.3	5.7	•	•	6
Greenwich (Royal Obsy.)	149	bmx	bbcmx	bmxcs	39	29	18	–	1	0.0	80	90	6
City (Bunhill Row)	80	•	•	•	•	•	•	•	•	0.0	•	•	•
Westminster (St. James' Pk.)	27	•	•	•	?	30	24	1		0.0	80	86	•
Regent's Pk. (Botanic Gdns).	168	•	•	•	•	•	•	•	•	2.1	•	•	•
Camden Square	110	cxf	bzo	•	40	31	26	–	1	•	•	91	•
Kensington Palace	80	fc	cb	•	41	31	19	–	1	•	At 18h	92	•
Hampstead Observatory	450	•	•	•	41	30	19	–	2	5.7	91	91	•

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 1800 G.M.T. 3rd

South Kensington Max.	Time.	Min.	Time.
2.0	23h 2nd	0.3	4h 3rd
2.0	9-11h 3rd		

Kew Observatory Max.	Time.	Min.	Time.
0.6	22h 2nd	0.3	6h 3rd
1.2	10h 3rd		

POLE STAR RECORD at Greenwich Obsy.

Exposure from 3rd 17 h 00 m to 4th 06 h 30 m

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	13.30	3.45	28
δ Ursae Minoris	13.30	0.1	2

CODE FOR STATE OF GROUND.
0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain, or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.[1]

Time.	Type.	No. per 4 sec.	Stren.	Direc.
13h.	C1C2	6	–	55°
18h.	C1C2	6	–	180°
01h.	C1C2	5	–	30°
07h.	C1C3	5	–	150°

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.

4th & 5th DECEMBER, 1923.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7.46 7.47	11.43 11.44	3.40 3.40
Greenwich	7.49 7.50	11.50 11.51	3.52 3.52
Wick	8.43 8.45	12.2 12.3	3.22 3.21
Valencia	8.32 8.33	12.31 12.32	4.30 4.30

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, " less than 200 m.
m mist, " 1000—10000 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. r rain. s snow.
rs sleet. t thunder.
u ugly, threatening sky.
v unusual visibility. w dew.
x hoar frost. y dry air.
z dust haze; the turbid atmosphere of dry weather.
h(r)="hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity.
R = heavy rain. r_o = slight rain.
rr = continuous rain.

SYMBOLS.

< = { less than (for cloud height). before (for precipitation).
⊕ = solar halo. ♛ = lunar halo.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions, thus:—bc/r = fair weather after rain; − = "decreasing"; + = "increasing."

The BEAUFORT SCALE of WIND is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers, is the speed at about 30 feet above the ground.

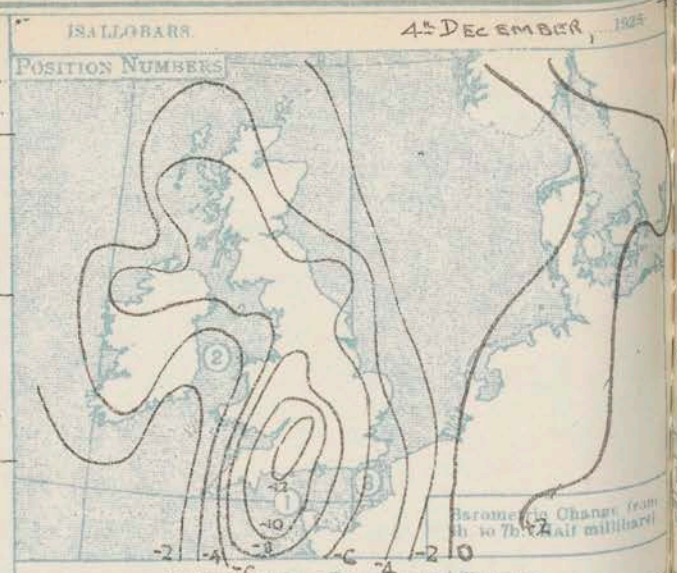
Beaufort No.	Statute miles per hour.
0	Less than 1
1	1-3
2	4-7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	above 75

SEA DISTURBANCE.
0=no swell, 1=mod. swell, 2=heavy swell } Calm or slight sea.
3=no swell, 4=mod. swell, 5=heavy swell } Moderate sea.
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

[1] For explanation see Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 3rd	13h.-18h. 3rd	18h. 3rd to 1h. 4th	1h.-7h. 4th	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS	RAINFALL.† Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began	SUN. 3rd Hours.
Lerwick	om	omd	ompr	opr	43	39	.	0·2	0·4	<0800	<2100	0·0
Stornoway	bbc	b	c	bco	43	29	.	–	–	–	–	4·0
Wick	oiR	or.bc	bcpr	bbc	41	33	.	T	0·5	<0800	<2100	.
Castlebay	bcopb	pop	opcop	opr.	47	39	.	Trace	2	–	–	4·4
Nairn	bcb	bcbx	bbccg	cg	36	26	.	–	–	–	–	3·5
Aberdeen	bbc	bccb	bmx	bmomx	40	29	21	–	–	–	–	2·5
Malin Head	cv	bccoz	cor.r	r.rbc	44	34	.	–	3	–	2200	3·8
Renfrew	bxmb	bffx	bffx	omsgrs	42	25	19	–	3	–	0430	5·3
Edinburgh (Inchkeith)	ff	ffmm	mb	bo	34	34	?	Trace	Trace	–	–	0·0
Leuchars	bcxb	b-bc	bxbxbz	bxbcco	39	26	15	–	–	–	–	4·6
Eskdalemuir	oxbxb	zoof	ofco	oxs.	38	?	27	–	Trace	–	–	6·2
Tynemouth	m	ir.m	bbcm	cm	41	32	30	0·1	–	1430	–	.
Blacksod Point ...	c	p	p	h-rh	45	35	.	2	6	–	–	.
Donaghadee	b	bf	c	omr	42	33	.	–	6	–	0230	.
Birr Castle	bc	bcco	cobr	cobr	42	34	32	–	4	–	–	5·1
Holyhead	cbrbx	bvbcb	bbcco	oiro	44	39	36	0·1	3	0900	0130	4·0
Liverpool (Bidston) ...	ophbc	bbc	os	os	42	32	29	1	3	<0800	?	6·3
Chester (Shotwick) ...	opcphcm	ophbb	bbmx	bxcssmg	43	30	24	1	1	<0800	0430	3·2
Spurn Head	m	mfb	bbx	bxox	40	33	.	–	–	–	–	3·5
Birmingham (Edgbaston)	bf	bmm	bbx	bosrs	40	31	28	–	1	–	0430	2·7
Nottingham	cb	f-m	fbcox	oo	41	29	24	–	0·6	–	0630	0·0
Cranwell	bbc	b-bc	bobm	om	38	31	28	Trace	–	–	–	3·7
Gorleston	cm	bcmx	bmx	bcmxc	39	30	27	–	–	–	–	2·1
Valencia (Cahirciveen)	bcpcb	bbco	ora	opbco	45	43	38	1	8	<0800	<2100	3·1
Roches Point	b	bbco	orr	rrb	44	41	.	–	6	–	<2100	*
Pembroke (St. Ann's H.)	p	c	oor.r	cqbr	43	40	.	2	5	<0800	2400	1·8
Ross-on-Wye	bcbb	bb	bmx	cor.r	46	28	20	–	2	–	0430	7·0
Leafield	bc	bc	cox	bcos	40	27	20	–	–	–	0630	7·0
Andover	bcmbm	bmbmx	bbfx	boodm	40	23	16	Trace	1	–	0630	5·7
S. Farnborough ...	cbcbm	obmmx	bmxbc	cor.	43	25	19	–	0·5	–	0630	5·0
London (Kew Obsy.) ...	fxbm	bzbf	bfx	bfxomr.	41	30	20	0·1	0·1	–	0630	5·0
Croydon	bcmb	bmf	bmx	camxbrs	42	30	22	–	0·3	–	0630	5·7
Clacton-on-Sea ...	cm	cbcbm	bmx	bcmx	40	31	27	–	–	–	–	2·9
Shoeburyness	bfxbm	bccoidm	ordmo	o	42	29	24	Trace	0·1	–	<2100	5·5
Grain	bcbcm	bmbm	bmx	bbcco	41	28	19	–	0·1	–	<2100	3·8
Lympne	bcm	bm	bmf	bxbr	41	27	17	–	0·6	–	0630	5·1
Scilly (St. Mary's) ...	bcgb	bcg	omr	omrcg	47	43	.	2	6	<0800	2400	4·9
Falmouth (Pendennis)	bcpbc	bcpbc	bccor	corbc	46	40	.	4	5	<0800	2400	5·0
Plymouth (Cattewater)	orpbc	ofb	bor	orrb	43	34	32	5	7	<0800	2400	1·7
Portland Bill	rord	c	bbc	r-d	47	38	.	0·5	2	1100	0330	.
Southampton (Calshot)	bxbmbcm	bm	bx	bxobr.	44	31	25	Trace	1	–	0330	5·8
Dungeness	c	b-bc	bx	c	43	30	.	–	–	–	–	.
Guernsey	ocrrcmb	cp.	bcbbc	coirrcmb	42	39	.	3	6	1100	0230	.



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Reliability
2	3rd 1005	ANGLIA	NNW	4	c	40	50	?
3	4th 0200	BRIGTON	WNW	2	bc	43	50	S

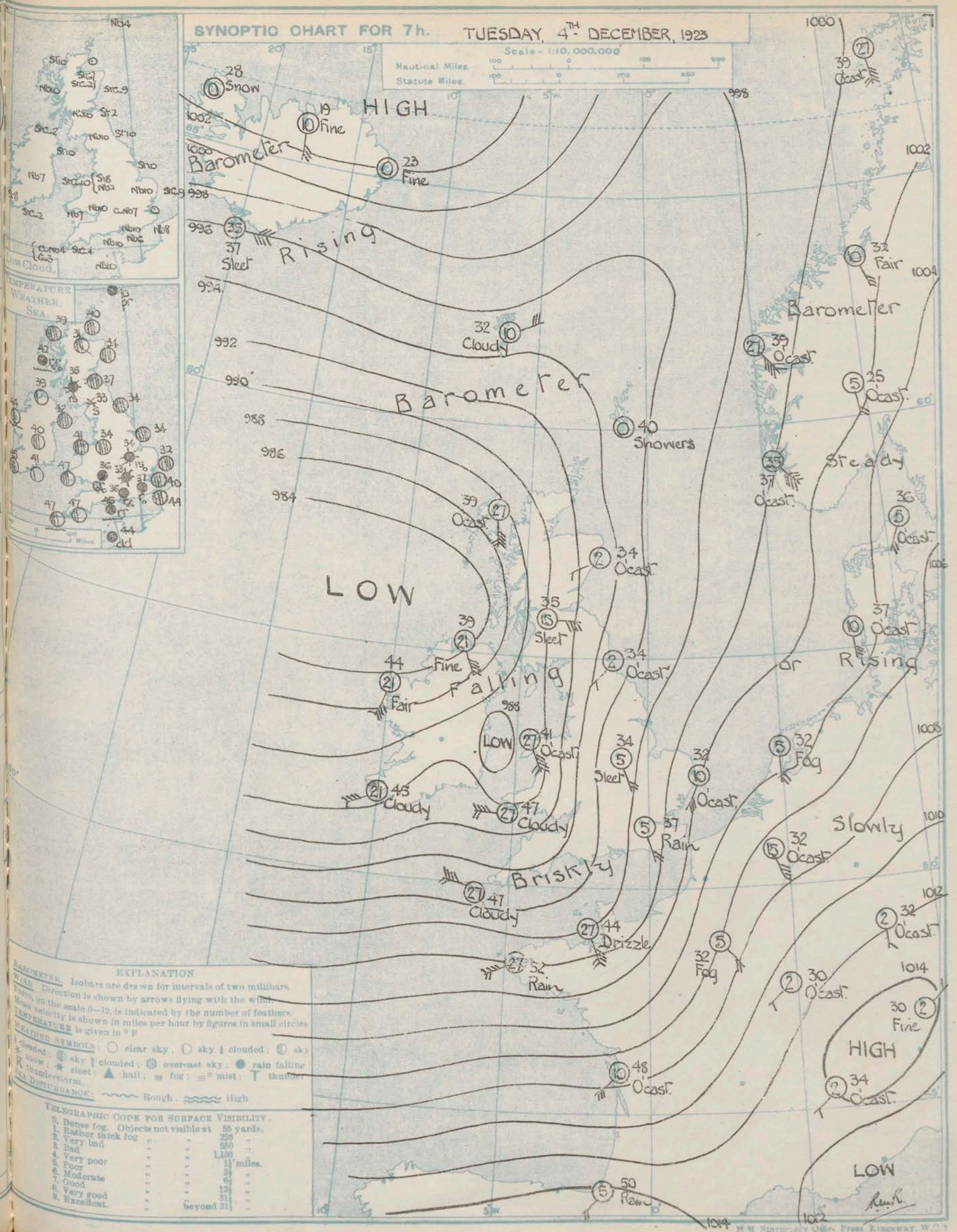
GENERAL INFERENCE.

A deep depression off N.W. Ireland will probably move slowly eastward while a secondary centred near Dublin will move northeastward across the North of England. There will be rain at first over the Eastern half of Great Britain with snow in the North, followed by a temporary improvement. Winds will reach gale force in places.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Tuesday, 4th December, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands	Wind southerly, strong to a gale, veering W. later; some rain early with occasional sleet, improving; visibility moderate; rather milder temporarily.	Unsettled. ------
4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales	Westerly winds strong to a gale; variable sky, occasional rain or hail; visibility good during fair intervals; moderate temperature.	South Cone hoisted at 0215 G.M.T. and 0845 G.M.T. today. ------
8. N.W. England 9. N. Midlands 10. N.E. England	Variable wind becoming S.W. strong; variable sky, some rain, hail, or sleet; visibility moderate; rather cold.	
11. E. Scotland 12. S.W. Scotland 13. Isle of Man	Wind between E. and S., strong at times; some sleet or snow; visibility poor to moderate; cold.	
14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Wind E. or S.E., strong to a gale; some sleet or snow; visibility poor to moderate; cold.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind between W. and S., strong to a gale; variable sky, some rain or hail; visibility good during fair intervals; cold.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0915 GMT. G. C. SIMPSON, F.R.S., Director.

† For Code see opposite page.



H.M. Stationery Office Press, Kingsway, W.C.2

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.....TUESDAY, 4TH DECEMBER, 1923. No. 338...

Observations at 0100 G.M.T.....4th.....

STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10
Lerwick	54	998.8	-3	-	0	o|p	42	92	6	4000	St.Cu	10	-	10
Stornoway	51	995.0	-8	IW	4	o+	•	•	5	•	•	•	•	•
Wick	81	995.7	-2	WSW	2	b|pr	35	97	8	1500	C.Nb	4	-	4
Castlebay	37	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	46	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	71	990.0	-11	SSE	6	or r	36	97	7	4000	Nb	10	-	10
Renfrew	38	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	190	996.9	-3	-	0	b|m	36	92	8	•	-	0	-	0
Leuchars	36	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	794	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth ...	118	1000.3	0	W	1	b	33	92	6	-	-	0	-	0
Blacksod Point ...	10	987.6	-6	W'N	5	0	46	92	1	•	•	•	•	10
Donaghadee	35	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	175	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	26	998.2	-7	S	5	or+	42	85	8	1500	Nb	10	-	10
Liverpool (Bidston) ...	189	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick) ...	16	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	26	1002.3	+1	WSW	2	ff b	34	97	2	-	-	0	-	0
Birmingham (Edgbaston)	525	•	•	•	•	•	•	•	•	•	•	•	•	•
Nottingham	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	237	1003.6	0	SW	3	b	33	97	5	-	-	0	-	0
Gorleston	13	1004.7	0	W	2	mb-	32	85	5	-	-	0	-	0
Valencia (Cahirciveen)	30	995.1	-3	SW	4	oR-	46	92	7	-	St	10	-	10
Roches Point	32	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	149	1000.5	-6	S	6	or r	42	85	7	2500	Nb	10	-	10
Ross-on-Wye	223	•	•	•	•	•	•	•	•	•	•	•	•	•
Leafield	556	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	295	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough ...	230	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.) ...	18	•	•	•	•	•	32	•	•	•	•	•	•	•
Croydon	244	1006.2	0	SSW	3	b	30	97	6	-	-	0	-	0
Clacton-on-Sea ...	54	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	11	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	20	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	350	1006.2	+3	N	2	b	30	97	4	-	-	0	-	0
Scilly (St. Mary's) ...	131	1002.6	-6	S	4	or r	44	97	6	2500	Nb	10	-	10
Falmouth (Pendennis)	200	1003.2	-3	WSW	5	or+	45	75	8	5700	Nb	10	-	10
Plymouth (Cattewater)	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	19	1004.8	-2	W	3	b+	43	75	7	-	-	0	A.Cu	2
Southampton (Calshot)	12	1006.2	0	WSW	2	b	32	92	6	-	-	0	-	0
Dungeness ...	21	1006.2	+3	WNW	2	b	32	92	7	-	-	0	-	0
Guernsey ...														

Observations at 0700 G.M.T.....4th.....

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sun. 0-10
Lerwick	995.0	-2	-	0	o|r	40	92	6	4000	Nb	4	A.St	9	0
Stornoway	987.3	-5	S	6	o+	39	85	7	450	St	10	-	10	4
Wick	991.6	-5	S	4	c+	40	85	8	-	-	0	C.St	8	3
Castlebay	983.0	-6	E	5	or r	42	97	7	1500	Nb	10	-	10	6
Nairn	990.2	•	-	0	c+	31	75	7	1500	St	8	-	8	•
Aberdeen	993.7	-3	SW	1	0	34	97	5	4000	St.Cu	9	-	9	1
Malin Head	983.3	-4	SSE	5	b|r	39	97	8	5700	St.Cu	2	C.Cu	3	2
Renfrew	990.1	-7	E	4	or s	35	92	5	1500	Nb	10	-	10	•
Edinburgh (Inchkeith)	992.3	-5	SSE	3	o+	37	85	8	•	St	2	A.St	10	2
Leuchars	992.2	-6	SE	2	o+	35	75	8	-	-	0	A.St	10	•
Eskdalemuir	992.2	-6	SE	4	o s s	33	85	6	1500	Nb	10	-	10	•
Tynemouth ...	994.5	-7	SW	1	o+	34	97	6	800	St	10	-	10	1
Blacksod Point ...	984.5	-6	S'W	5	bc	4/4	85	7	•	•	•	•	4	7
Donaghadee	988.5	-6	SW	2	o|r	42	97	8	450	St	10	-	10	2
Birr Castle	990.1	•	SE	1	c-	40	92	4	2500	Nb	7	-	7	•
Holyhead	988.2	-5	S'E	6	o	41	92	8	2500	St.Cu	10	-	10	5
Liverpool (Bidston) ...	992.0	-8	ESE	5	o|s(h)	34	97	6	1500	St	10	-	10	5
Chester (Shotwick) ...	991.8	-10	ESE	6	o s s	34	97	6	800	St	10	-	10	•
Spurn Head	997.6	-5	S	5	o	34	97	6	1500	St	10	-	10	2
Birmingham (Edgbaston)	994.9	-9	SE	4	o s s	33	92	5	1500	Nb	10	-	10	•
Nottingham	996.4	-6	SSE	2	or s s	34	97	5	2500	Nb	10	-	10	•
Cranwell	998.1	-7	SSE	3	o	32	92	5	5700	St	5	A.St	10	•
Gorleston	1002.8	-2	SW'S	3	o+	32	97	6	4000	St.Cu	9	-	9	0
Valencia (Cahirciveen)	993.6	-4	W'S	5	c	45	75	6	800	St	8	-	8	4
Roches Point	990.8	-1	WSW	3	b	41	92	8	4000	St.Cu	2	-	2	1
Pembroke (St. Ann's H.)	990.5	-5	W	6	c	47	85	8	2500	Nb	7	-	7	5
Ross-on-Wye	994.2	-10	S'E	3	or r	36	92	7	2500	Nb	10	-	10	•
Leafield	995.6	-12	SW	3	v s	33	97	1	-	-	-	-	-	•
Andover	996.8	-10	SSE	3	o d d	36	97	6	1500	Nb	8	A.St	10	•
S. Farnborough ...	998.2	-8	SW	4	or r	35	97	5	800	Nb	10	-	10	•
London (Kew Obsy.) ...	998.7	-9	SSE	2	or	37	92	6	1500	CuNb	7	A.St	10	•
Croydon	998.5	-8	S	3	o|s(h)	38	92	6	1500	St	4	A.St	10	•
Clacton-on-Sea ...	1001.6	-2	SSE	4	c+	40	85	6	-	-	0	A.St	8	2
Shoeburyness	1000.5	-9	SE	5	o	38	85	7	1500	St	10	-	10	•
Grain	1000.9	-6	SW	4	o+	38	85	6	1500	St	10	-	10	0
Lympne	1001.6	-6	WSW	5	o|r	40	92	6	800	Nb	10	-	10	•
Scilly (St. Mary's) ...	995.7	-2	W'N	6	c|r	47	97	7	4000	CuNb	7	-	7	6
Falmouth (Pendennis)	994.9	-6	WNW	3	b c+	47	85	7	4000	St.Cu	4	-	4	0
Plymouth (Cattewater)	993.4	-10	W	3	b|r	47	97	8	800	St	2	-	2	1
Portland Bill	994.1	-16	S	7	or r	45	85	6	2500	Nb	10	-	10	6
Southampton (Calshot)	993.3	[illegible]	[illegible]	5	or r	42	92	7	800	Nb	6	A.Cu	10	0
Dungeness ...	1001.8	-4	SW	5	c+	44	75	8	4000	Nb	8	-	8	5
Guernsey ...	998.0	-10	S	6	o d d	44	97	6	-	Nb	10	-	10	5

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR....3RD DECEMBER.....

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 2nd-3rd °F.	Temperature. Max. Day. 3rd °F.	Rainfall.† Night 17h.-9h. 2nd-3rd mm.	Rainfall.† Day 9h.-17h. 3rd mm.	Sunshine.	Sunshine. Sunrise to Sunset. 3rd hr.
Montrose	cbc	bcb	32	39	3	-		4.3
Berwick-on-Tweed	prd or	PRoc	34	39	1	t		2.4
Llandudno	crcb	cbcp	39	44	0.3	1		2.2
Colwyn Bay ...	ch	cph.	38	45	1	2		2.9
Rhyl	hbcbc	bcc	37	46	2	0.1		2.6
Southport	bbcb	bccpbc	37	42	4	0.2		4.7
Blackpool	or	cbc	37	43	3	0.5		2.5
Ilkley	xmbc	bc	33	41	0.3	-		1.2
Harrogate	b	b	31	39	0.5	-		5.9
Skegness	hxmcb	bmacf	31	39	-	-		4.2
Aberystwyth ...	roc	o	37	44	3	-		1.0
Bath	mbcb	bcbm	32	41	-	-		1.8
Leamington Spa ...	c	cm	27	38	-	-		2.7
Lowestoft	oc	cbcb	31	38	0.3	-		2.5
Felixstowe ...	cm	cmbm	30	39	-	-		1.2
Southend ...	foc	co	31	42	0.2	-		4.4
Ilfracombe	ocp	co	40	43	4	1		1.1
Bude	p	p	39	43	12	2		0.3
Torquay	rors	b	35	42	2	4		1.4
Weymouth	bbc	bcb	35	49	1	-		2.2
Bournemouth ...	b	b	33	44	5	-		5.9
Portsmouth (S'thsea)	fb	bc	34	42	-	-		5.0
Littlehampton ...	bcm	bc	31	44	1	-		6.9
Worthing	b	b	33	43	0.5	-		6.3
Brighton	bcb	b	31	47	1	-		6.2
Eastbourne	b	b	35	43	4	-		7.0
Hastings	bmb	bm	34	43	3	-		6.7
Folkestone	bc	bcm	36	43	1	-		4.8
Dover	dimc	cbcm	33	42	2	-		4.0
Tunbridge Wells ...	bcb	bbm	32	43	0.3	-		5.4
Ramsgate	fbcb	bf	30	42	0.3	-		1.2
Margate	o	obc	37	42	0.2	-		2.3
Deal	mro	bccom	33	40	-	-		2.7

TERMS OF SUBSCRIPTION.—6/6 per quarter or 25/- per year, post free. Single copies may be obtained at the Meteorological Office, price 1d.

* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. § For code see page 3. ‡ See footnote page 1

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B. 22,658 WEDNESDAY, 5TH DECEMBER 1923.

Observations at 1300 G.M.T. 4th

STATIONS. (For heights see p.4).	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Low Form	Low Amt. 0-10	Upper Form.	Total Amt. 0-10	State of ground.
Lerwick	996.1	+1	S	1	b	44	75	7	4000	Cu	2	CiSt	3	•
Stornoway	986.3	0	SE	3	opr₀	40	92	7	450	St	10	–	10	•
Wick	990.3	-1	S	5	o	42	75	8	4000	Cu	4	CiSt	10	•
Castlebay	982.9	+1	E	5	ocr₀	42	97	6	800	Nb	10	–	10	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	990.5	-3	SSE	4	c	42	85	6	1500	Cu	6	CiSt	7	1
Malin Head	981.7	-1	SSE	4	b	42	92	7	5700	StCu	1	CiCu	2	•
Renfrew	987.3	-2	NE	3	oss	33	97	4	800	Nb	10	–	10	7
Edinburgh (Inchkeith)	987.8	-4	ESE	3	~~om~~	36	92	6	•	St	10	–	10	•
Leuchars	988.3	-5	SE	3	oc₀r₀	37	85	6	1500	Nb	10	–	10	1
Eskdalemuir	986.7	-5	ESE	1	oss	32	97	4	450	Nb	10	–	10	7
Tynemouth	989.9	-7	SSE	4	orr	38	92	5	800	Nb	10	–	10	•
Blacksod Point (?)	978.0	-1	WNW	4	o	44	85	8	•	•	•	•	10	•
Donaghadee	985.9	0	W	2	c-	42	97	7	450	StCu	8	–	8	•
Birr Castle	985.0	*	S	1	cpr₀	41	92	6	4000	Nb	8	–	8	•
Holyhead	986.0	-1	SWW	4	bc	46	75	8	4000	St	3	ACu	4	2
Liverpool (Bidston)	986.4	-3	SSE	1	bc-	40	97	5	1500	StCu	4	–	4	•
Chester (Shotwick)	987.0	-4	SSW	2	b-	44	85	5	4000	StCu	1	CiCu	2	2
Spurn Head	988.6	-9	SSE	7	orr	37	92	6	2500	Nb	10	–	10	•
Birmingham (Edgbaston)	988.4	-5	SSE	4	b/r	40	97	5	1500	Cu	3	–	3	2
Nottingham	988.6	-7	SSE	1	o/r	38	97	5	1500	Nb	10	–	10	•
Cranwell	989.8	-7	SSE	4	orr	34	97	5	800	Nb	10	–	10	7
Gorleston	994.9	-4	S	6	or+	39	92	6	1500	Nb	10	–	10	•
Valencia (Cahirciveen)	984.3	-7	SW'W	6	oph₀	46	75	8	1500	St	6	ASt	9	2
Roches Point	986.8	-5	WSW	4	c	44	85	8	4000	CuNb	7	–	7	•
Pembroke (St. Ann's H.)	989.9	+3	W	6	bc	46	75	8	2500	Cu	6	–	6	•
Ross-on-Wye	989.4	-3	WSW	4	opr₀	46	75	8	4000	CuNb	~~8~~ 9	–	~~8~~ 9	1
Leafield	990.0	-5	SW	3	bc+	42	97	7	2500	St	5	–	5	*
Andover	999.1	-2	SW'W	4	c/r	47	85	7	1500	StCu	8	•	8	1
S. Farnborough	991.3	-5	SW	3	c/r	45	92	7	800	Nb	7	Ci	8	2
London (Kew Obsy.)	990.4	-8	SSW	3	o	44	92	6	1500	StCu	10	–	10	1
Croydon	991.2	-7	S'W	4	o/r	42	97	6	800	Nb	10	–	10	2
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	991.1	-10	WSW	6	or₀r₀	40	85	8	800	Nb	10	–	10	•
Grain	991.9	-10	S ~~WSW~~	7	or-	39	97	6	800	Nb	10	–	10	2
Lympne	992.7	-10	S'W	6	orr	40	97	5	<150	Nb	10	–	10	2
Scilly (St. Mary's)	993.3	-2	W	6	bcpr₀	47	85	8	4000	CuNb	4	–	4	•
Falmouth (Pendennis)	993.4	-1	W	5	bc+	48	75	8	4000	StCu	5	–	5	•
Plymouth (Cattewater)	992.5	-2	W'S	4	c	47	75	7	2500	Cu	3	ACu	7	2
Portland Bill	991.7	0	WSW	7	bc-	50	65	7	4000	CuNb	6	–	6	•
Southampton (Calshot)	992.0	-0	WSW	4	b-	47	85	7	800	StCu	2	–	2	2
Dungeness	992.5	-5	SSW	5	orr	42	97	6	4000	Nb	10	–	10	•
Guernsey	995.0	-1	W'S	5	or-	48	85	6	2500	Nb	10	–	10	•

Observations at 1800 G.M.T. 4th

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Low Form	Low Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	997.5	+3	S	1	b	41	85	7	5700	StCu	2	–	2	0
Stornoway	988.6	+2	SE	3	bc-	37	92	8	4000	Cu	4	–	4	2
Wick	991.3	+2	ESE	4	bc-	44	75	8	2500	CuNb	3	CiSt	5	3
Castlebay	986.0	+5	ESE	4	o	42	85	7	1500	Nb	10	–	10	5
Nairn	989.2	•	ESE	2	o	36	85	8	1500	St	4	ASt	9	•
Aberdeen	990.1	+1	SE	6	or-	41	97	6	1500	Nb	10	–	10	4
Malin Head	982.9	+2	SE	2	b	38	92	7	5700	StCu	2	CiCu	3	2
Renfrew	986.6	+0	NE	1	o/rs	34	97	4	1500	St	10	–	10	•
Edinburgh (Inchkeith)	986.1	-1	ESE	1	o/r	36	92	7	•	CuNb	2	ASt	10	0 (d₀t₀im)
Leuchars	986.5	+0	ESE	3	or₀r₀	36	92	6	2500	Nb	10	–	10	•
Eskdalemuir	985.9	0	NNW	2	os₀s₀	33	97	5	450	Nb	10	–	10	•
Tynemouth	988.0	-1	S	2	or₀r₀	35	97	5	800	Nb	10	–	10	2
Blacksod Point (?)	980.3	+2	–	0	bc	42	92	7	•	•	•	•	6	5
Donaghadee	985.2	0	WSW	1	bcm	36	97	6	450	St	4	–	4	3
Birr Castle	981.0	•	SSE	1	or₀	41	97	6	4000	Nb	9	–	9	•
Holyhead	984.7	-2	SW'S	3	b	44	85	9	4000	Cu	3	–	3	3
Liverpool (Bidston)	986.2	0	S'E	2	bc	37	92	5	2500	St	2	ASt	4	3
Chester (Shotwick)	986.2	-1	S	3	b	36	97	6	4000	StCu	1	–	1	•
Spurn Head	987.6	0	SSW	3	b	35	97	5	–	–	0	•	0	4
Birmingham (Edgbaston)	988.1	0	S	2	om	39	92	4	1500	StCu	9	–	9	•
Nottingham	987.8	0	SW	1	fb+	36	97	2	–	–	0	–	0	•
Cranwell	988.6	0	SE	1	bFF	31	97	1	–	–	0	–	0	•
Gorleston	991.4	-0	SW	1	b-	38	97	6	–	–	0	–	0	1
Valencia (Cahirciveen)	981.3	-2	W	4	bc-	43	92	7	1500	St	5	–	5	7
Roches Point	982.9	-4	W	2	bc-	43	92	8	2500	CuNb	5	–	5	3
Pembroke (St. Ann's H.)	986.6	-2	SW	5	c	46	85	8	2500	StCu	8	–	8	5
Ross-on-Wye	988.0	-1	SW	3	bc/r	41	85	8	2500	Nb	1	ASt	6	•
Leafield	988.9	-2	SW	1	bc+	38	92	6	1500	St	5	–	5	•
Andover	990.0	-1	SW'S	2	b-	37	92	7	1500	StCu	1	–	1	*
S. Farnborough	990.7	-1	SSW	2	b/r	41	97	7	–	–	0	–	0	•
London (Kew Obsy.)	990.1	0	SSW	~~3~~ 1	b	40	85	6	–	–	0	ACu	1	•
Croydon	990.8	-0	SW'S	3	o/r	41	92	7	1500	StCu	9	–	9	•
Clacton-on-Sea	990.4	0	SSW	3	o	41	97	6	2500	St	10	–	10	2
Shoeburyness	990.9	0	–	0	c/r	42	85	8	1500	StCu	7	–	7	•
Grain	991.1	0	S	2	b-	40	97	6	–	–	0	ASt	1	0
Lympne	991.5	0	SW	2	b/r	41	85	7	2500	CuNb	3	–	3	•
Scilly (St. Mary's)	990.9	-2	W	6	bcpr₀	47	92	8	4000	CuNb	6	–	6	6
Falmouth (Pendennis)	989.9	-4	W	4	bc	44	85	7	4000	StCu	4	–	4	0
Plymouth (Cattewater)	990.8	-2	WSW	3	bpr₀	43	92	8	1500	St	2	–	2	3
Portland Bill	989.6	-2	W	7	b-	47	65	7	–	–	0	–	0	6
Southampton (Calshot)	990.6	-1	WSW	3	b-	41	85	7	–	–	0	–	0	0
Dungeness	991.4	0	WSW	4	cr	46	85	7	4000	Nb	8	–	8	6
Guernsey	992.9	-1	W'S	3	bcPR+	44	92	6	2500	CuNb	5	–	5	1

LONDON OBSERVATIONS.	Height above M.S.L. in feet.	Weather Morning (24 hours ended 0900 G.M.T. 5th)	Afternoon	Night	Temperature Max. °F.	Min. °F.	Min. on Grass °F.	Rainfall mm. Day	Night	Sunshine to Sunset, hrs. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	9h. G.M.T. % (To-day)	Visibility 9h.
Kew (24 hours ended 0700)	18	omrom	ompbm	bmomx	•	•	24	2	Tr	0.2	•	•	1
Croydon (24 hours ended 0700)	244	ors₀r₀r₀	bc br₀	bmxm	•	•	32	3	-	0.5	•	•	6
Greenwich (Royal Obsy.)	149	or	oc	corbxom	46	32	22	0.3	!	0.1	36	98	2
City (Bunhill Row)	80	•	•	•	•	•	•	•	•	0.0	•	•	•
Westminster (St. James' Pk.)	27	•	•	•	49	35	29	!		0.1	84	88	•
Regent's Pk. (Botanic Gdns).	168	•	•	•	•	•	•	•	•	0.0	•	•	•
Camden Square	110	oro	orc	•	45	32	27	2	-	•	•	100	•
Kensington Palace	80	odr	oc	•	46	33	23	1	-	•	At 18h	91	•
Hampstead Observatory	450	•	•	•	44	33	21	2	0.3	0.4	85	96	•

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 1600 G.M.T. 4th

South Kensington

Max.	Time.	Min.	Time.
1.3	19h. 3rd	<0.3	5-6h. 4th
1.0	10h 4th		

Kew Observatory

Max.	Time.	Min.	Time.
1.0	21h 3rd	<0.3	6h. 4th
0.4	8h 4th		

POLE STAR RECORD at Greenwich Obsy.

Exposure from 4th 17 h 00 m. to 5th 06 h 30 m.

Stars.	Exposure h. m.	Record h. m.	%
Polaris	13.30	9.32	71
δ Ursae Minoris	13.30	0.50	6

CODE FOR STATE OF GROUND.
0 = Dry ground.
1 = Wet ground.
2 = Soft (muddy) wet ground.
3 = Bare ground frozen (but less than 2 ins. deep).
4 = Bare ground frozen (but more than 2 ins. deep).
5 = Dew (or wet grass but not wet ground).
6 = Skating to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7 = Snow (thin layer, often not continuous).
8 = Snow (deep, impeding traffic, usually a continuous layer).
9 = Glazed roads (ice on roads from frozen rain or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.[1]

Time.	Type.	No. per 4 sec.	Stren.	Direc.
13h.	C₁C₂	6	-	140°
18h.	C₁C₂	6	-	130°
01h.	C₁C₂	5	-	125°
07h.	C₁C₁	6	-	125°

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.

5th December, 1923.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7.41	11.44	3.40
	7.43	11.44	3.39
Greenwich	7.50	11.51	3.52
	7.51	11.51	3.51
Wick	8.45	12.3	3.21
	8.47	12.3	3.20
Valencia	8.33	12.32	4.30
	8.35	12.32	4.29

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, " less than 200 m.
m mist, " 1000—10000 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. r rain. s snow.
rs sleet t thunder.
u ugly, threatening sky.
v unusual visibility. w dew.
x hoar frost. y dry air.
z dust haze; the turbid atmosphere of dry weather.
h(r) = "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity.
R = heavy rain. r₀ = slight rain.
rr = continuous rain.

SYMBOLS.
< = { less than (for cloud height). before (for precipitation).
⊕ = solar halo. ⓤ = lunar halo.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions, thus:—bc/r = fair weather after rain; - = "decreasing"; + = "increasing."

The BEAUFORT SCALE of WIND is used only for [illegible] observations. In the accompanying table the speed in the wind corresponding with the different numbers, is [illegible] at about 30 feet above the ground.

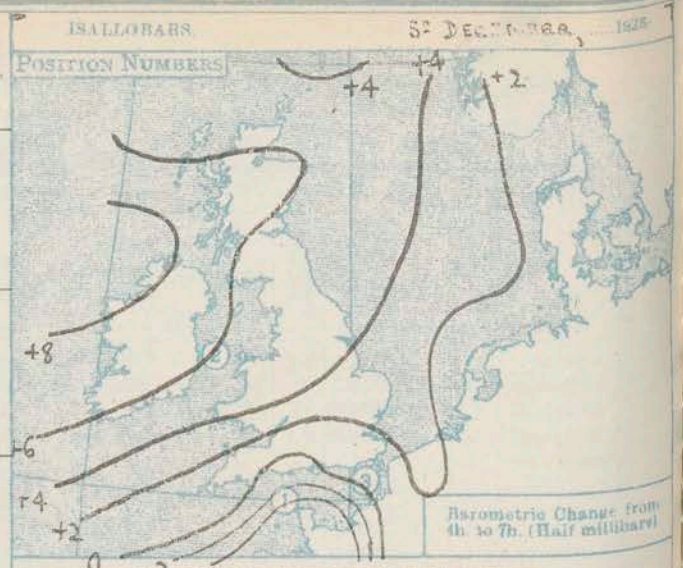
SEA DISTURBANCE.
0 = no swell, 1 = mod. swell, 2 = heavy swell } Calm or [illegible]
3 = no swell, 4 = mod. swell, 5 = heavy swell } [illegible] sea.
6 = rather rough sea
7 = rough sea.
8 = very rough sea.
9 = mountainous sea

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1-3
2	4-7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

[1] For explanation see Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 4th	13h.-18h. 4th	18h. 4th to 1h. 5th	1h.-7h. 5th	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS.	RAINFALL.† Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began.	SUN. 4th Hours.
Lerwick	bc.g.	b	b	bc	44	39	.	0·1	Trace	0900	0530	1·4
Stornoway	oo.	c	c	p	40	36	.	0·4	1	-	-	0·0
Wick	oo.	oo	bbc	bbc	44	43	.	-	-	-	-	.
Castlebay	r.r.	r.o	ocbc	bcb	44	41	.	2	-	-	-	0·0
Nairn	cg	cgo	cdgog	cg	38	33	.	-	1	-	<2100	0·7
Aberdeen	op.r.c.	coir.orrg	rr ir.	oir.o	42	39	37	2	2	11·00	<2100	0·6
Malin Head	bcg.	bcz	cors.	cov	43	35	.	-	1	-	2200	3·0
Renfrew	orssm	ors.rs.m	om	omir.	37	34	32	4	0·4	<0800	2400	0·0
Edinburgh(Inchkeith)	ss.rs.s	doo	rsrsdd	rr	37	35	?	2	5	<0800	2200	0·0
Leuchars	ox.or.m.	ors m	ors.r	oir	38	36	34	1	5	1100	<2100	0·0
Eskdalemuir	ossm.	osso.m	os.mo	ocosrs	33	28	18	6	0·1	<0800	<2100	0·0
Tynemouth	s.r. q.	mr r.m	d FF	FF	38	30	29	2	Trace	<0800	<2100	.
Blacksod Point ...	p.	c	p	p	46	33	.	2	3	-	-	.
Donaghadee	o.	bf	c	o	43	35	.	1	-	<0800	-	.
Birr Castle	c.op.m	coir.	c	co	43	34	28	1	0·2	<0800	<2100	0·6
Holyhead	tr.c.bc.	bcv	PR	bbcc	47	40	37	0·3	3	<0800	<2100	3·9
Liverpool (Bidston)...	s.o.bcm	cm	cf	cf	41	34	30	2	-	<0800	-	2·8
Chester (Shotwick) ...	ors.prs. bm.	bopr s	bm bfx	bx off	45	29	21	1	-	<0800	-	1·9
Spurn Head	oo.	roc	F	ebxfo	38	34	.	4	-	<0800	-	0·0
Birmingham(Edgbaston)	or. bcm.	bcm	obcx	bcofx	42	32	28	2	-	<0800	-	1·2
Nottingham	rs.r.	f-m	fbf	f-m	40	27	25	3	-	<0800	-	0·0
Cranwell	srsr.	ormbf	bfx	F	35	24	21	4	-	<0800	-	0·0
Gorleston	ogr.	ogrec	bzx	bFFx	41	31	23	3	-	1100	-	0·0
Valencia (Cahirciveen)	c.oph.	ophbc	bcop	cop	48	41	36	7	3	<0800	<2100	0·6
Roches Point	cp.	cpbc	cpbc	bcc	46	37	.	0·6	0·3	1100	<2100	*
Pembroke(St.Ann's H.)	c.	p	p	p	48	40	.	1	9	1630	?	3·2
Ross-on-Wye	r.c.bc.c	bcocop	bcobcb	bcor.	47	34	26	1	0·5	<0800	<2100	2·6
Leafield	r.bc.	bcc	f	bce	44	32	21	4	-	<0800	-	1·9
Andover	od.d.bc	cbcb	bmx	bmcorm	48	31	21	1	7	<0800	0530	2·2
S. Farnborough ...	r.oc.	cprob	bxmbc	cor.m	47	30	23	2	0·3	0900	0430	0·5
London (Kew Obsy.)...	omr.om	ompbm	bmbm	bmomx	46	33	24	2	Trace	<0800	-	0·2
Croydon	ors.r.r.	bcbr.	bmx	bcxm	47	35	32	3	-	<0800	-	0·5
Clacton-on-Sea ...	ogrm	ocqm	dgmbc	bcx	41	34	27	6	-	<0800	-	0·0
Shoeburyness... ...	omrorr	orrc	cbc	bffx	44	24	19	4	-	0900	-	0·0
Grain	orr	orvc	bmx	bcem	44	33	23	3	Trace	<0800	0130	0·0
Lympne	orrm.	obrpr	bm	bbcpr	45	34	25	4	0·4	0900	2200	0·0
Scilly (St. Mary's) ...	c.bcpq	cpq	bcpq	byq	48	43	.	2	7	0900	<2100	2·0
Falmouth (Pendennis)	bcp.	bcp	bcpr	bcpr	50	39	.	3	6	<0800	2400	2·8
Plymouth(Cattewater)	bcp.b.o.c	bccph	bop	orpb	49	39	?	2	5	<0800	<2100	3·3
Portland Bill	c.	p	p	(illegible)	50	43	.	2	12	<0800	<2100	.
Southampton(Calshot)	or.c.b	b	bwbrd	obrbrc	50	40	33	1	2	<0800	2200	3·2
Dungeness	or.	opr	obrcb	cbr	49	40	.	6	2	0900	<2100	.
Guernsey	c.orr.	orrcpbc	phbc	bcbrc	50	42	.	5	1	1230	<2100	*



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility.
	4th 1300	REINDEER	W	7	o/r	50	52	7
	5th 0300	DIEPPE	SW	5	pr.	47	50	8

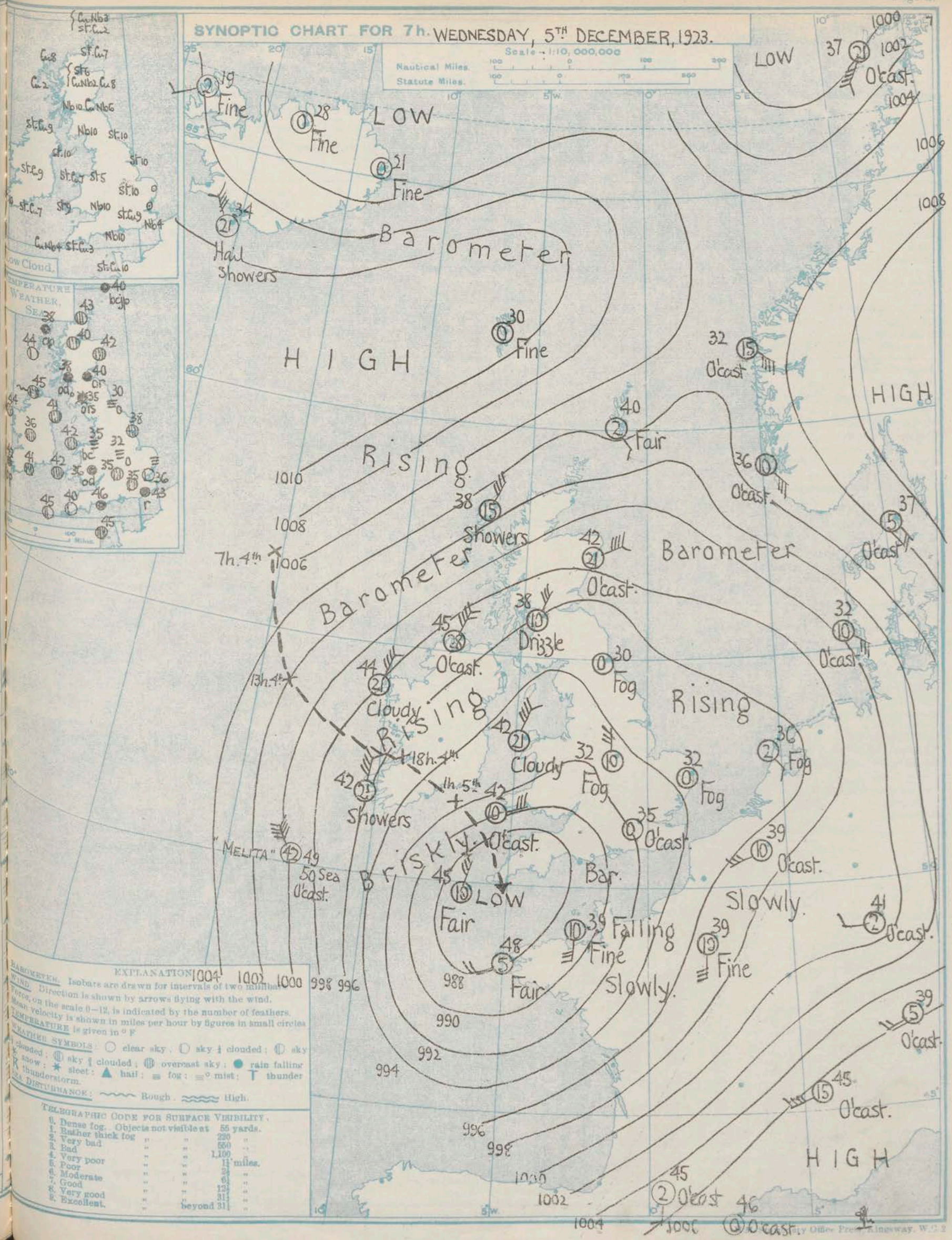
GENERAL INFERENCE.

The depression which was off our N.W. coast yesterday morning is now over the Western Channel and moving southward. Winds will be between N. and E. generally with cold cloudy weather and local rain or sleet. Fog will occur in places during the night and morning.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Wednesday, 5th December, 1923.	Further Outlook.
1. S.E. England 2. E. England	Wind S.E. or E. moderate, fresh locally on coasts; cloudy, some drizzle or sleet; fog in places; rather cold.	Cold in the South with N.E. winds for a day or two; outlook doubtful for the North. ----------
3. E. Midlands 4. W. Midlands	Wind easterly, light or moderate; cloudy, sleet or drizzle in places; fog night and morning; rather cold.	
5. S.W. England 6. South Wales 7. North Wales 8. N.W. England	Wind N.E. moderate, fresh at times; cloudy, fair periods, sleet showers locally; visibility poor to moderate; rather cold.	
9. N. Midlands 10. N.E. England 11. E. Scotland 12. S.W. Scotland 13. Isle of Man	Wind N.E. moderate or fresh, decreasing; cloudy, some sleet or drizzle; visibility poor to moderate; rather cold.	
14. N.&N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Wind becoming light and variable; mainly fair; visibility moderate; cold.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind N. to N.E. fresh or strong, decreasing; variable sky, local showers of rain or sleet, fair periods; visibility moderate; rather cold.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0855 GMT. G. C. SIMPSON, F.R.S., Director.

§ For Code see opposite page.


SYNOPTIC CHART FOR 7h. WEDNESDAY, 5TH DECEMBER, 1923.
Scale - 1:10,000,000
Nautical Miles.
Statute Miles.
LOW
HIGH
Barometer
Rising
Falling
Slowly
Briskly
Fine
Fair
Showers
Hail Showers
Cloudy
Fog
Drizzle
O'cast.
Low Cloud.
TEMPERATURE
WEATHER.
SEA
"MELITA"
7h. 4th
13h. 4th
18h. 4th
1h. 5th
EXPLANATION
BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Direction is shown by arrows flying with the wind. Force, on the scale 0—12, is indicated by the number of feathers. Mean velocity is shown in miles per hour by figures in small circles.
TEMPERATURE is given in ° F.
WEATHER SYMBOLS: clear sky; sky ¼ clouded; sky ½ clouded; sky ¾ clouded; overcast sky; rain falling; snow; sleet; hail; fog; mist; thunder; thunderstorm.
SEA DISTURBANCE: Rough. High.
TELEGRAPHIC CODE FOR SURFACE VISIBILITY.
0. Dense fog. Objects not visible at 55 yards.
1. Rather thick fog " " 220 "
2. Very bad " " 550 "
3. Bad " " 1,100 "
4. Very poor " " 1¼ miles.
5. Poor " " 2 "
6. Moderate " " 6 "
7. Good " " 12 "
8. Very good " " 31 "
9. Excellent. " beyond 31 "

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION Wednesday, 5th December 1923. No. 339.

Observations at 0100 G.M.T. 5th

STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Low Form	Low Amt. 0-10	Upper Form.	Total Amt. 0-10
Lerwick	54	1000.9	+3	SE	1	b	42	92	7	5700	St.Cu	2	-	2
Stornoway	51	996.5	+6	E	4	o	•	•	4	•	•	•	•	•
Wick	81	996.8	+5	E	3	bc	44	75	8	2500	CuNb	3	Ci	4
Castlebay	37	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	46	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	71	989.1	+6	NE	4	ors₀	41	92	7	4000	Nb	10	-	10
Renfrew	38	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	190	990.1	+3	E	1	odd	38	97	7	•	Nb	10	-	10
Leuchars	36	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	794	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	118	989.9	+5	-	0	Fo+	33	97	0	<150	St	10	-	10
Blacksod Point	10	990.1	+5	NE	4	o	43	85	3	•	•	•	•	10
Donaghadee	35	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	175	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	26	986.0	+2	E'N	4	b	42	92	8	-	-	0	-	0
Liverpool (Bidston)	189	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick)	16	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	26	989.8	+2	S	2	FFo	34	97	1	220	St	10	-	10
Birmingham (Edgbaston)	525	•	•	•	•	•	•	•	•	•	•	•	•	•
Nottingham	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	237	990.5	+3	-	0	ffb	26	97	1	-	-	0	-	0
Gorleston	13	991.9	+1	-	0	b	36	97	6	-	-	0	-	0
Valencia (Cahirciveen)	30	986.4	+6	NW	3	bc	44	97	8	-	St	4	-	4
Roches Point	32	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	149	984.8	-1	SW	4	orr₀	46	85	8	2500	Nb	10	-	10
Ross-on-Wye	223	•	•	•	•	•	•	•	•	•	•	•	•	•
Leafield	556	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	295	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough	230	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.)	18	•	•	•	•	•	35	•	•	•	•	•	•	•
Croydon	244	991.1	0	S	3	b	35	97	6	-	-	0	-	0
Clacton-on-Sea	54	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	11	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	20	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	350	991.7	0	SW	2	b	31	97	4	-	-	0	-	0
Scilly (St. Mary's)	131	985.8	-3	W	4	bcpr₀	45	97	8	4000	CuNb	4	-	4
Falmouth (Pendennis)	200	986.2	-3	W	2	bc/r	43	97	8	4000	St.Cu	5	-	5
Plymouth (Cattewater)	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	19	988.8	-2	SW	4	bcPR	46	85	7	4000	CuNb	4	-	4
Southampton (Calshot)	12	990.3	+1	S'W	3	b	41	92	8	-	-	0	-	0
Dungeness	21	991.6	0	-	0	b/r	43	92	8	-	-	0	-	0
Guernsey														

Observations at 0700 G.M.T. 5th

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Low Form	Low Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1004.7	+3	SE	1	bcjb	40	92	7	4000	CuNb	5	-	5	0
Stornoway	1003.6	+5	NNE	4	cpr₀	38	92	6	2500	Cu	8	-	8	3
Wick	1001.6	+5	ENE	3	c+	43	85	8	4000	St.Cu	7	-	7	3
Castlebay	1001.7	+6	NNE	4	b	44	75	8	2500	Cu	2	-	2	3
Nairn	1001.4	•	ENE	2	c	40	85	8	1500	St	8	-	8	•
Aberdeen	999.3	+6	ENE	5	o	42	85	7	2500	Cu	8	Ci.St	9	4
Malin Head	997.3	+9	NNE	6	o	45	92	8	5700	St.Cu	9	-	9	6
Renfrew	997.4	+9	NE	3	odd	38	85	6	2500	Nb	10	-	10	•
Edinburgh (Inchkeith)	994.1	+5	E	5	or-	40	92	8	•	CuNb	6	A.St	10	3
Leuchars	996.8	+7	ENE	4	or	41	92	7	1500	Nb	9	A.St	10	•
Eskdalemuir	994.8	+5	N'E	4	orsrs	35	92	6	1500	Nb	10	-	10	•
Tynemouth	994.7	+5	-	0	FFo	30	97	0	<150	St	10	-	10	0
Blacksod Point	998.0	+8	NNE	5	c	44	85	6	•	•	•	•	8	7
Donaghadee	995.5	+6	NE	4	o+	41	92	8	800	St	10	-	10	5
Birr Castle	995.6	•	NNW	3	o	36	97	5	4000	St.Cu	9	-	9	•
Holyhead	992.5	+6	NNE	5	c	42	97	7	4000	St.Cu	7	-	7	3
Liverpool (Bidston)	992.9	+5	ESE	1	fbc-	35	92	2	1500	St	5	-	5	2
Chester (Shotwick)	992.6	+6	SE	3	fo+	34	97	2	450	St	10	-	10	•
Spurn Head	993.3	+4	ESE	2	o	38	97	5	1500	St	10	-	10	2
Birmingham (Edgbaston)	992.5	+5	S	2	Fo+	33	92	1	<150	St	10	-	10	•
Nottingham	993.4	+6	N	3	FFo	32	97	1	450	St	10	-	10	•
Cranwell	993.8	+4	N'E	2	Fo-	29	97	1	<150	St	10	-	10	•
Gorleston	994.1	+2	-	0	Fo+	32	97	0	-	-	0	-	0	0
Valencia (Cahirciveen)	997.2	+6	NNE	5	opr₀	42	75	7	1500	St	10	-	10	•
Roches Point	992.4	+6	NNE	5	c	41	85	8	4000	St.Cu	7	-	7	3
Pembroke (St. Ann's H.)	992.0	+4	ENE	3	o-	42	97	8	2500	St	9	-	9	4
Ross-on-Wye	996.9	+4	E	2	od₀	36	97	6	2500	Nb	10	-	10	•
Leafield	991.3	+2	SSE	2	c+	35	97	6	<150	St	7	-	7	•
Andover	991.2	+1	E'N	2	oRR	37	97	4	450	Nb	10	-	10	•
S. Farnborough	991.0	+1	ESE	2	o/r	35	97	4	800	St	10	-	10	•
London (Kew Obsy.)	992.3	+2	-	0	o	35	97	4	2500	St.Cu	9	-	9	•
Croydon	992.8	+3	S'W	3	c-	37	97	6	4000	St.Cu	5	A.St	7	•
Clacton-on-Sea	992.7	+2	NNE	1	b	36	92	6	-	-	0	A.St	3	0
Shoeburyness	992.5	+1	-	0	ffb	27	75	2	-	-	0	A.Cu	1	•
Grain	991.2	0	SE	2	c+	37	85	5	-	-	0	A.St	8	0
Lympne	992.7	+2	S'E	3	bcpr₀	37	97	7	800	CuNb	6	-	6	•
Scilly (St. Mary's)	987.9	+1	N'E	3	bc	45	97	8	4000	CuNb	4	-	4	3
Falmouth (Pendennis)	987.2	+1	N	1	b-	40	97	8	5700	St.Cu	3	-	3	0
Plymouth (Cattewater)	987.4	+1	E	1	bc+	39	97	7	2500	CuNb	2	Ci.St	4	1
Portland Bill	987.7	-2	SSW	3	orr	46	85	7	2500	Nb	10	-	10	5
Southampton (Calshot)	990.8	0	SSE	3	c-	44	92	8	1500	St	2	A.St	6	0
Dungeness	992.5	+1	SE	1	bcr₀	43	85	8	-	Nb	4	A.Cu	6	3
Guernsey	988.9	-1	SW'S	4	o	45	92	8	2500	St.Cu	10	-	10	3

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 4th December

STATIONS.	Weather Forenoon.	Weather Afternoon.	Temperature Min. Night. 3rd–4th °F.	Temperature Max. Day. 4th °F.	Rainfall† Night 17h.–9h. 3rd–4th mm.	Rainfall† Day 9h.–17h. 4th mm.	Sunshine Sunrise to Sunset. 4th hr.
Montrose	oco	orₒrₒ	26	42	-	2	0.0
Berwick-on-Tweed	mxz	ocdₒr	29	38	-	2	0.0
Llandudno	pc	cpc	35	47	2	1	1.2
Colwyn Bay	bc	c	36	45	4	-	1.7
Rhyl	cbc	bcc	32	49	3	-	1.6
Southport	socrc	cbccpbcb	33	39	8	3	0.4
Blackpool	os	orc	33	42	3	7	0.3
Ilkley	xsrsm	rs₀om	26	34	3	3	0.0
Harrogate	s	sdf	29	33	3	3	0.0
Skegness	bco	prrsrshc	30	39	Trace	6	0.0
Aberystwyth	rcb	b	37	46	1	-	2.5
Bath	poc	ocbc	27	48	2	1	1.3
Leamington Spa	or	or	28	45	3	1	0.0
Lowestoft	or	rocb	30	42	0.2	3	0.0
Felixstowe	cpor	omrbm	30	42	1	7	0.0
Southend	od	od	31	43	0.1	1	0.0
Ilfracombe	oph	oph	38	49	3	3	0.0
Bude	pcpc	bcpog	38	48	3	8	2.9
Torquay	cpbc	bcpc	35	51	4	0.3	4.5
Weymouth	b	b	31	48	4	-	4.2
Bournemouth	bc	bc	30	50	3	-	4.7
Portsmouth (S'thsea)	orc	cb	30	49	4	1	2.4
Littlehampton	ocrbc	bc	26	47	5	3	2.0
Worthing	ro	bc	28	47	5	3	0.9
Brighton	rrocbc	bcb	30	48	2	4	0.5
Eastbourne	ro	ocbcpbc	30	48	0.2	4	0.0
Hastings	ORHo	ocbbc	33	47	1	5	0.0
Folkestone	od	dc	30	46	-	5	0.0
Dover	ORd	dom	31	47	Trace	4	0.5
Tunbridge Wells	ors	ocbc	27	46	1	5	0.0
Ramsgate	bc	crbc	33	44	-	2	0.0
Margate	or	o	32	45	-	2	0.0
Deal	or	roc	31	45	-	5	0.0

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* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. § For code see page 3. ‡ See footnote page 1

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B. 22659 THURSDAY, 6th DECEMBER 1923.

Observations at 1300 G.M.T. 5th

STATIONS. (For heights see p.4).	Barom. at M.S.L. mb	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	State of ground.
Lerwick	1008.3	+4	-	0	C+	39	92	7	2500	St	7	ACu	8	•
Stornoway	1008.1	+5	-	0	bc-	40	92	8	4000	Cu	4	-	4	•
Wick	1006.4	+4	NW	1	C	38	92	7	2500	CuNb	2	CiSt	8	•
Castlebay	1008.3	+4	NNW	4	b+	44	85	8	2500	Cu	2	-	2	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	1005.0	+4	NE	3	c-	42	85	7	2500	Cu	7	-	7	1
Malin Head	1005.9	+7	NNE	6	b	45	85	7	4000	Cu	1	ACu	2	•
Renfrew	1003.8	+5	NNE	4	0+	42	75	6	1500	St	9	-	9	2
Edinburgh (Inchkeith)	1001.6	+6	NE	5	ocr	41	92	7	•	Nb	10	-	10	•
Leuchars	1003.0	+5	N	3	o/r	40	92	7	2500	StCu	6	ASt	10	2
Eskdalemuir	1001.1	+6	N	4	o/r	37	92	6	1500	StCu	9	-	9	7
Tynemouth	999.9	+4	-	0	fo-	36	97	1	800	St	10	-	10	•
Blacksod Point	1007.4	+8	NNE	5	c	46	75	7	•	•	•	•	7	•
Donaghadee	1003.3	+9	NE	6	o-	44	85	8	450	Cu	9	-	9	•
Birr Castle	1001.6	z	NW	1	c-	39	92	7	4000	StCu	7	-	7	•
Holyhead	999.8	+7	N	S4	o	44	85	7	1500	StCu	7	CiSt	9	1
Liverpool (Bidston)	999.1	+6	SE	1	ffo	36	92	3	2500	St	10	-	10	•
Chester (Shotwick)	999.1	+6	NW	2	fo-	38	92	3	4000	StCu	10	-	10	2
Spurn Head	998.1	+3	WNW	2	o	39	92	5	4000	StCu	10	-	10	•
Birmingham (Edgbaston)	997.9	+3	NE	3	fo-	34	97	2	4150	St	10	-	10	2
Nottingham	998.1	+3	N	2	ffo	36	97	2	800	St	10	-	10	•
Cranwell	998.4	+3	NNW	3	Ffo	33	97	1	225	St	10	-	10	2
Gorleston	997.3	+2	NW	1	fo-	35	97	3	-	-	0	-	0	•
Valencia (Cahirciveen)	1005.9	+9	N'E	6	c-	46	75	8	2500	StCu	7	-	7	2
Roches Point	1002.7	+6	NNE	S4	b-	43	85	6	4000	StCu	3	-	3	•
Pembroke (St. Ann's H.)	997.9	+5	NE	3	bc	44	85	7	4000	StCu	6	-	6	•
Ross-on-Wye	997.2	+5	ENE	2	fo+	37	92	3	450	St	10	-	10	1
Leafield														
Andover	994.8	+5	NE	3	o	42	92	5	2500	St	10	-	10	2
S. Farnborough	995.2	+3	ESE	2	ffo	41	92	1	4150	St	9	Ci	10	1
London (Kew Obsy.)	996.0	+3	NNE	2	fo-	41	85	2	4150	St	9	ACu	10	1
Croydon	995.9	+3	NE	2	ffc	41	92	3	2500	Cu	4	CiSt	8	2
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	996.0	+3	ENE	1	mc-	43	85	6	4000	StCu	4	ACu	6	•
Grain	996.5	+4	NE'N	3	o	41	92	7	4000	StCu	7	ASt	9	2
Lympne	996.2	+1	S'E	3	c	43	92	8	1500	StCu	5	Ci	8	2
Scilly (St. Mary's)	994.1	+3	N'E	5	c+	48	92	8	4000	CuNb	8	-	8	•
Falmouth (Pendennis)	992.8	+4	N	3	b	47	75	8	5700	Cu	3	-	3	•
Plymouth (Cattewater)	992.8	+5	N	2	c	46	85	7	2500	StCu	8	-	8	2
Portland Bill	992.1	+4	SE	1	or	47	92	7	2500	Nb	10	-	10	•
Southampton (Calshot)	994.2	+2	NE	4	ocr	43	97	6	1500	Nb	10	-	10	?
Dungeness	995.4	+3	S	3	o+	44	92	8	4000	StCu	10	-	10	•
Guernsey	991.3	+1	W	3	c	46	85	8	4000	StCu	8	-	8	•

Observations at 1800 G.M.T. 5th

STATIONS.	Barom. at M.S.L. mb	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	State of ground.
Lerwick	1010.0	+4	-	0	b-	38	97	7	-	-	0	ASt	2	0
Stornoway	1012.2	+4	-	0	bc/r	37	85	8	4000	Cu	4	-	4	0
Wick	1009.0	+4	NNW	2	b-	40	92	8	2500	CuNb	3	-	3	1
Castlebay	1012.6	+4	NNW	3	b	42	85	8	4000	Cu	1	-	1	3
Nairn	1009.7	•	-	0	bc	36	85	8	1500	St	4	-	4	•
Aberdeen	1009.0	+5	NNW	3	b-	36	97	7	2500	Cu	1	-	1	1
Malin Head	1011.0	+7	N	5	b	45	97	7	2500	St	2	ACu	3	6
Renfrew	1009.7	+8	-	0	b-	42	75	5	5700	StCu	2	-	2	•
Edinburgh (Inchkeith)	1006.5	+5	NE	4	bc-	40	85	7	•	-	0	ASt	4	2
Leuchars	1007.6	+6	NNE	2	b-	37	92	7	-	-	0	-	0	•
Eskdalemuir	1006.8	+7	NW	4	ocr	37	92	6	450	Nb	10	-	10	•
Tynemouth	1004.0	+5	NW	1	bf-	34	97	3	1500	St	3	-	3	0
Blacksod Point	1013.2	+3	N'W	4	o	45	75	7	•	•	•	•	10	6
Donaghadee	1008.7	+5	NE	6	od	46	75	7	450	St	10	-	10	6
Birr Castle	1005.3	•	N	3	bc-	38	85	6	4000	StCu	5	-	5	•
Holyhead	1004.8	+6	N'E	5	o	44	85	7	1500	St	9	-	9	4
Liverpool (Bidston)	1004.5	+6	N	2	of	39	85	3	800	St	10	-	10	2
Chester (Shotwick)	1003.6	+4	NNW	2	fo+	38	97	2	4150	St	10	-	10	•
Spurn Head	1002.9	+5	NNE	2	o/f	40	97	8	1500	St	10	-	10	1
Birmingham (Edgbaston)	1003.4	+7	NNW	S3	mmo	37	92	5	1500	St	10	-	10	•
Nottingham	1002.9	+5	NNE	3	o	37	97	5	1500	St	10	-	10	•
Cranwell	1002.7	+4	NNW	4	Ffo	34	97	1	4150	St	10	-	10	•
Gorleston	1001.3	+3	N	2	b/f	39	97	7	-	-	0	-	0	0
Valencia (Cahirciveen)	1012.0	+7	N	5	bc+	47	75	8	2500	StCu	5	-	5	6
Roches Point	1008.8	+7	N	4	b	43	85	8	-	-	0	-	0	0
Pembroke (St. Ann's H.)	1004.1	+6	NNE	3	bc	43	85	7	2500	St	4	-	4	4
Ross-on-Wye	1002.9	+7	NE	2	ffo	38	92	3	450	St	10	-	10	•
Leafield	1002.0	+5	NNW	2	fo+	34	97	2	4150	St	10	-	10	•
Andover	1000.5	+10	N'E	4	o/r	36	97	5	1500	Nb	10	-	10	•
S. Farnborough	1000.9	+8	NNE	2	mmo	37	97	4	-	St	10	-	10	•
London (Kew Obsy.)	1001.6	+8	NNE	2	o	35	92	4	1500	St	10	-	10	•
Croydon	1000.7	+7	NNE	3	fo+	36	97	2	450	St	10	-	10	•
Clacton-on-Sea	999.9	+4	N	2	mmo	41	97	5	7200	StCu	10	-	10	0
Shoeburyness	1000.0	+6	ENE	1	o	37	85	6	2500	St	10	-	10	•
Grain	1000.2	+6	NNE	4	o+	40	97	6	4000	StCu	10	-	10	0
Lympne	998.9	+3	ENE	4	o	40	92	7	2500	StCu	10	-	10	•
Scilly (St. Mary's)	1001.7	+8	NNE	5	b+	47	92	8	4000	CuNb	3	-	3	6
Falmouth (Pendennis)	1000.6	+5	N	5	bc+	44	85	8	5700	Cu	4	-	4	0
Plymouth (Cattewater)	1000.5	+12	N	4	c-	43	85	7	1500	StCu	8	-	8	1
Portland Bill	999.6	+12	NE	3	c/r	43	85	6	4000	CuNb	8	-	8	5
Southampton (Calshot)	999.8	+8	NNE	3	ffo	41	92	S2	220	St	10	-	10	0
Dungeness	999.1	+3	ENE	3	bc	42	92	7	-	-	0	ASt	4	4
Guernsey	996.6	+7	ENE	7	bcd	46	92	5	2500	Nb	5	-	5	4

LONDON OBSERVATIONS.	Height above M.S.L. in feet.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Temperature. Max. °F.	Temperature. Min. °F.	Min. on Grass. °F.	Rainfall. mm. Day.	Rainfall. mm. Night.	Sunshine to Sunset, hrs.	Humidity. 15h. G.M.T. %	Humidity. 9h. G.M.T. %	Visibility 9h.
		24 HOURS ENDED 0900 G.M.T. 6th								YESTERDAY.		TO-DAY.	
Kew	18	of	cfom	om	•	•	34	0.1	Tr	0.0	•	•	5
Croydon } 24 hours ended 0700	244	comf	mfc	ofcom	•	•	35	-	-	0.6	•	•	3
Greenwich (Royal Obsy.)	149	0	0	0	40	35	30	-	-	0.0	94	96	4
City (Bunhill Row)	80	•	•	•	•	•	•	•	•	0.0	•	•	•
Westminster (St. James' Pk.)	27	•	•	•	49	36	34	-	-	0.0	85	92	•
Regent's Pk. (Botanic Gdns.)	168	•	•	•	•	•	•	•	•	0.0	•	•	•
Camden Square	116	feo	ofo	•	41	34	32	1	-	•	•	96	•
Kensington Palace	80	0	0	•	41	33	30	0.3	-	•	(At 18h 100	91	•
Hampstead Observatory	450	•	•	•	40	32	26	0.3	Tr	0.2	•	98	•

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 HR. ended 1800 G.M.T. 5th

South Kensington Max.	Time.	Min.	Time.
1.3	16h. 4m	0.3	5h. 5m
2.5	9h 13m 5s		

Kew Observatory Max.	Time.	Min.	Time.

POLE STAR RECORD at Greenwich Obsy.

Exposure from 5h. 14m. 0s. to 6h. 30m.

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	13 30	NIL	0
δ Ursae Minoris	13 30	NIL	0

CODE FOR STATE OF GROUND.

0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 1200 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.[1]

Time.	Type.	No. per 1 sec.	Stren.	Direc.
13h.	C_1C_2	6	-	120°
18h.	C_1C_2	6	-	130°
01h.	C_1C_2	6	-	130°
07h.	C_1C_2	6	-	140°

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.

6th, 7th DEC., 1923.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7.49 / 7.51	11.44 / 11.45	3.39 / 3.39
Greenwich	7.51 / 7.53	11.51 / 11.52	3.51 / 3.51
Wick	8.47 / 8.49	12.3 / 12.4	3.20 / 3.19
Valencia	8.35 / 8.37	12.32 / 12.33	4.29 / 4.29

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, „ less than 200 m.
m mist, „ 1000—10000 m.
h hail. i intermittent.
ip precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. r rain. s snow.
rs sleet t thunder.
u ugly, threatening sky.
v unusual visibility. w dew.
x hoar frost. y dry air.
z dust haze; the turbid atmosphere of dry weather.
h(r)="hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity.
R = heavy rain. r_0 = slight rain.
rr = continuous rain.

SYMBOLS.

< = less than (for cloud height). before (for precipitation).
⊕ = solar halo. ☾ = lunar halo.

With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions, thus:—b/r = fair weather after rain; - = "decreasing"; + = "increasing."

The BEAUFORT SCALE of WIND is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers, is the speed at about 30 feet above the ground.

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1- 3
2	4- 7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

SEA DISTURBANCE.

0=no swell } Calm or slight sea.
1=mod. swell } Calm or slight sea.
2=heavy swell } Calm or slight sea.
3=no swell } Moderate sea.
4=mod. swell } Moderate sea.
5=heavy swell } Moderate sea.
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

[1] For explanation see Introduction.

* Information for these columns not usually received.

‡ The barometric change is expressed in half millibars.

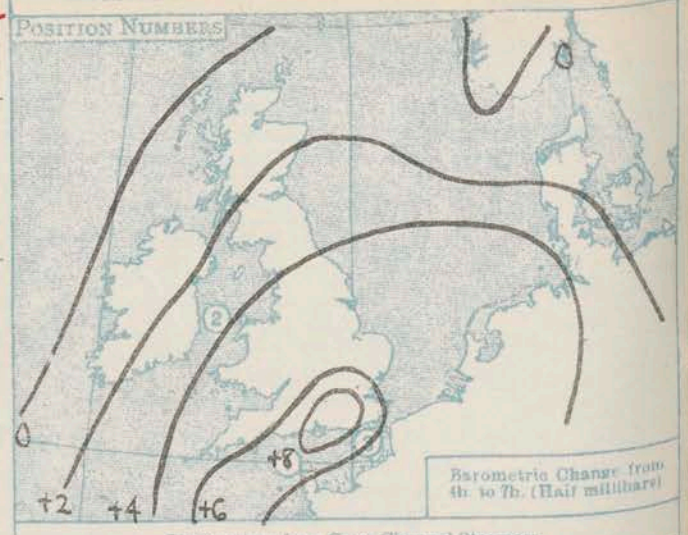
§ For code see page 3

Summaries for the Past 24 Hours.

Stations.	Weather. 7h.-13h.	Weather. 13h.-18h.	Weather. 18h. to 1h.	Weather. 1h.-7h.	Temperature. Max. Day. 7h.-18h.	Temperature. Min. Night. 18h.-7h.	Temperature. Min. on Grass.	Rainfall† Day. 7h.-18h. mm.	Rainfall† Night. 18h.-7h. mm.	Rainfall† Precipitation began.	Rainfall† Precipitation began.	Sun Hours.
Lerwick	bc	bc	b	bcp	41	35	.	0·2	0·4	<0800	0430	0·0
Stornoway	c	p	bbc	g	42	32	.	0·5	-	-	-	1·2
Wick	c	oo	cpr	bbc	44	32	.	-	0·2	-	<2100	.
Castlebay	b	b	b°	bop	44	39	.	-	0·4	-	.	4·5
Nairn	chp	cgbc	bcx	bc	41	36	.	0·2	-	12.30	-	0·6
Aberdeen	oprbc	comb	bop.b	bx	42	34	29	1	Trace	0900	<2100	0·1
Malin Head	cobcz	bcz	p.bcv	bccov	45	40		-	0·2	-	2200	3·3
Renfrew	odco	ocpmx	bmx.f	bffx	42	26	15	Trace	-	<0800	-	0·4
Edinburgh (Inchkeith)	rr°	rc	bcb	bbc	42	34	*	2	Trace	<0800	-	0·0
Leuchars	~~m~~oir	omb	bb	bbx	41	29	20	3	-	<0800	-	0·0
Eskdalemuir	orsoro	oir°	ojrmo	cbcbx	37	29	23	2	0·1	<0800	<2100	0·0
Tynemouth	off	off	bcmir	irm	35	34	33	-	1	-	2400	+
Blacksod Point	p	p	p	c	45	32	.	0·5	0·3	-	-	.
Donaghadee	oq	oq	bc	c	45	40	.	Trace	-	17.30	-	
Birr Castle	co	cobc	bc	bcx	42	26	22	-	-	-	-	0·9
Holyhead	ccmo	oco	ocbbcc	ocbc	44	43	39	Trace	-	-	-	1·0
Liverpool (Bidston)	f-m	of	fm		40	35	29	-	-	-	-	0·0
Chester (Shotwick)	off ~~cff~~	off	off bcf	ofbcom	39	34	30	0·1	-	-	-	0·0
Spurn Head	oo	omimo	orobc	brobc	41	34		-	1	-	<2100	0·0
Birmingham (Edgbaston)	off	oofm	ommm	omf	37	34	30	-	.	-		0·0
Nottingham	f-m	fmp°	ocmb	fm	37	36	33	Trace	.	13.30	.	0·0
Cranwell	of	OF	fm	ofec	34	32	30	-	0·2	-	.	0·0
Gorleston	bff	bcf'b	bv	bbcop	40	35	33	-	0·2	-	0330	3·4
Valencia (Cahirciveen)	opc	cbc	bpc	bx	44	36	29	1	-	<0800	-	2·6
Roches Point	cbz	bbccbb	bx	bxz	44	35	.	-	0·1	-	-	·4
Pembroke (St. Ann's H.)	c	c	bbc	bbc	48	38		-	-	-	-	1·4
Ross-on-Wye	ropm	qom	gfo	cmbbco	38	34	28	0·3	Trace	<0800	.	0·0
Leafield		odf		f	36	34	31	0·5	-	0900	-	0·0
Andover	ocrmom	omoprm	cmom	om	43	35	31	3	Trace	<0800	-	0·0
S. Farnborough	oprof	ocofm	ommm	ommm	42	36	30	0·4	-	<0800	-	0·0
London (Kew Obsy.)	of	cfom	omom	omom	42	35	34	0·1	Trace	13.30	-	0·0
Croydon	comf	omfc	ofem	om	44	35	35	-	-	-	-	0·6
Clacton-on-Sea	bccbcm	bcogm	ogme	ogcme	44	33	32	-	-	-	-	3·2
Shoeburyness	bffxbcm	omw	omw	ohxome	45	33	30	0·1	Trace	-	-	2·4
Grain	cmoo	c	om	owm	42	35	33	-	Trace	-	-	1·6
Lympne	ocpr	com	obom	ompr	45	36	32	2	0·4	<0800	0430	0·4
Scilly (St. Mary's)	bcpq	cbcpq	bcpq	cpq	49	43	.	1	1	<0800	<2100	2·2
Falmouth (Pendennis)	bc	bc	bc	bcb	44	40	.	-	-	-	-	4·4
Plymouth (Cattewater)	bcbmc	bcc	cb	b	44	34	35	-	-	-	-	3·6
Portland Bill	r-d	r-d	bbc	fm	48	34		2	-	<0800	-	
Southampton (Calshot)	orsm	or°of	offbmom	bmcmom	46	34	30	~~4~~ 5	-	0900	-	0·0
Dungeness	oo	c	c	cpr	50	38	.	0·3	1	<0800	0430	3
Guernsey	crr	cbcm	cbcp	cqm	48	42	.	3	0·3	<0800	<2100	2

Sun ~~4~~ 5

ISALLOBARS. 6th Dec. 1923.



Observations from Cross Channel Steamers.

Position	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility.
2	5th 1005	ANGLIA	NNE	6	09	45	50	8
3	6th 0200	BRIGHTON	NE	3	bcf	44	50	4

GENERAL INFERENCE.

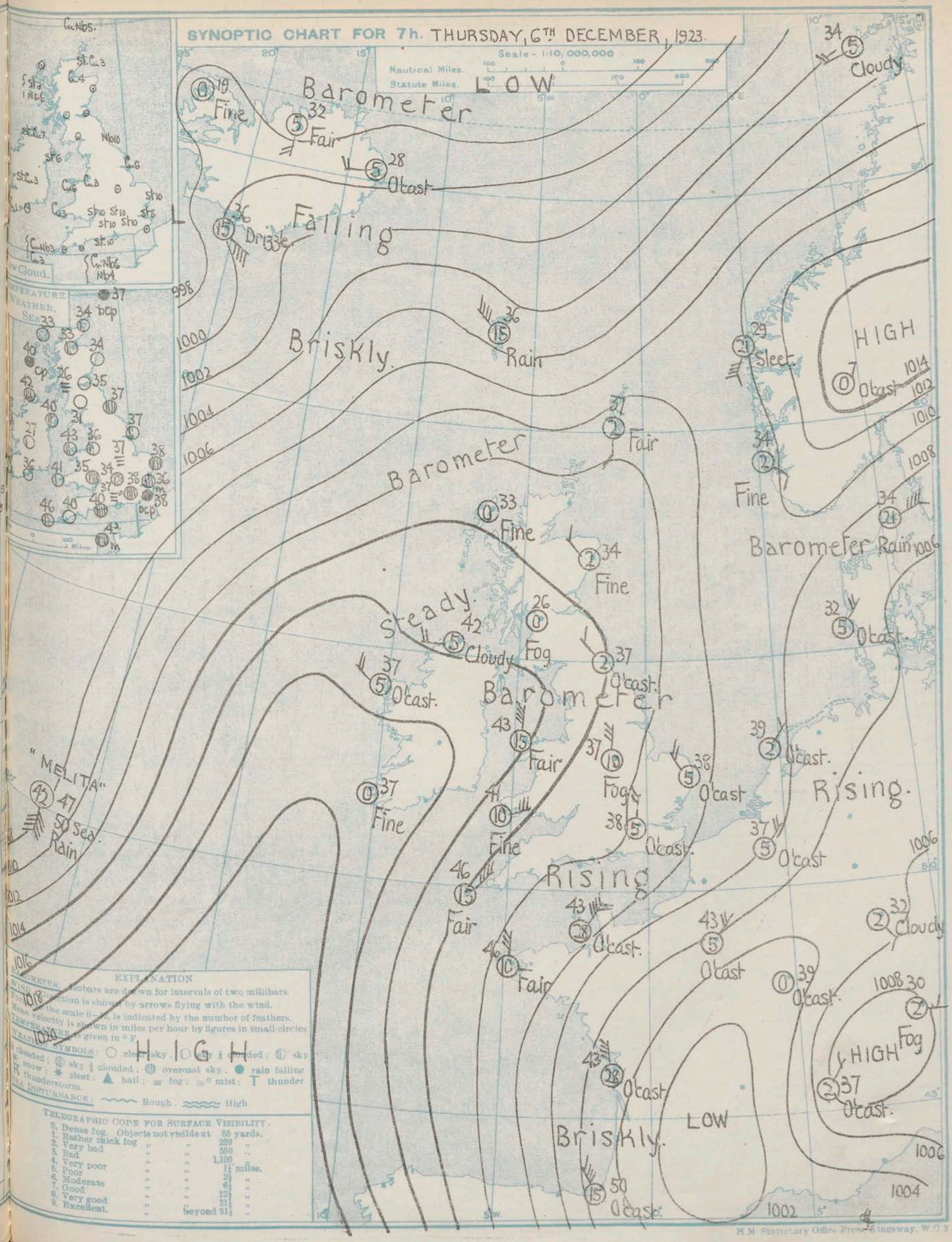
The tongue of high pressure over the British Isles is moving southward and our western districts will soon come under the influence of depressions which now occupy an area from Iceland to north of the Azores. Southerly winds and rain will extend over the Kingdom after an interval of quiet, foggy weather in the Midlands and southeastern districts.

Districts.	Forecasts for the 24 hours commencing 15 h. G.M.T. Thursday, 6th December, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Light northerly winds, becoming variable; mainly fair but some fog night and morning; cold, frost at night.	Unsettled generally.
5. S.W. England 6. South Wales 7. North Wales	Light northerly wind, freshening later from SW. or S.; fair at first, rain later; fog locally at night; moderate temperature.	
8. N.W. England 9. N. Midlands 10. N.E. England 11. E. Scotland 12. S.W. Scotland 13. Isle of Man	Light variable wind, freshening from S. later; cloudy, some rain; visibility poor to moderate; rather milder.	
14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands 17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind S. or SW., fresh or strong, a gale in exposed places; some rain; milder.	

E.G.S.

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0910 G.M.T. G. C. Simpson, F.R.S., Director.

§ For Code see opposite page.



H.M. Stationery Office Press, Kingsway, W.C.2

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION...THURSDAY, 6TH DECEMBER...1923. No. 340

Observations at 0100 G.M.T. 6th

STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10
Lerwick	54	1011.2	+1	-	0	b	36	85	Y	-	-	0	A St	1
Stornoway	51	1014.3	+2	-	0	b	*	*	6	*	*	*	*	*
Wick	81	1011.4	+1	NW	2	cpr.	36	94	8	1500	Cu Nb	Y	-	Y
Castlebay	37	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	82	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	46	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	71	1015.2	+2	N	4	b	43	85	9	4000	Nb	2	-	2
Renfrew	38	*	*	*	*	*	*	*	*	*	*	*	*	*
Edinburgh (Inchkeith)	180	1012.1	+4	NNW	2	b	38	85	8	*	-	0	-	0
Leuchars	36	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*
Tynemouth	118	1009.4	+3	NNW	2	o jm	41	94	Y	800	Nb	10	-	10
Blacksod Point	10	1014.8	+2	NW'W	3	bc	40	85	Y	*	*	*	*	4
Donaghadee	35	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	175	*	*	*	*	*	*	*	*	*	*	*	*	*
Holyhead	26	1011.1	+4	N	6	.0	44	85	8	2500	St	9	-	9
Liverpool (Bidston)	189	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Shotwick)	16	*	*	*	*	*	*	*	*	*	*	*	*	*
Spurn Head	26	1009.8	+4	NNE	3	0	41	92	Y	2500	St	10	-	10
Birmingham (Edgbaston)	525	*	*	*	*	*	*	*	*	*	*	*	*	*
Nottingham	82	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	237	1008.8	+6	NNW	3	ffo	33	94	1	225	St	10	-	10
Gorleston	15	1006.5	+2	N'W	1	b	40	92	8	-	-	0	-	0
Valencia (Cahirciveen)	30	1018.4	+4	W	2	bc+	44	94	8	<150	St	5	-	5
Roches Point	32	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	149	1010.8	+5	NE	1	b	39	92	8	-	-	0	-	0
Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*
Leafield	556	*	*	*	*	*	*	*	*	*	*	*	*	*
Andover	296	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough	230	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.)	18	*	*	*	*	*	39	*	*	*	*	*	*	*
Croydon	244	1009.0	+6	N'E	3	mo.	34	94	5	2500	St Cu	10	-	10
Clacton-on-Sea	54	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	30	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	350	1009.5	+5	N	4	0	39	94	4	800	St	10	-	10
Scilly (St. Mary's)	131	1009.8	+3	~~NNW~~ NE	4	bcpr.	44	94	8	4000	Cu Nb	6	-	6
Falmouth (Pendennis)	200	1009.4	+6	N	2	b	43	85	8	5000	St Cu	3	-	3
Plymouth (Cattewater)	82	*	*	*	*	*	*	*	*	*	*	*	*	*
Portland Bill	19	1006.1	+6	N	3	mb	39	85	4	*	*	0	-	0
Southampton (Calshot)	12	~~1016.6~~	+6	N	4	0	39	94	6	1500	St	10	-	10
Dungeness	21	1003.4	+4	NE	3	c+	41	92	Y	-	-	0	A St	Y
Guernsey														

1006.3

Observations at 0700 G.M.T. 6th

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sun 0-9
Lerwick	1011.9	0	S	1	bcpr.	34	85	Y	4000	Cu Nb	3	C St	6	0
Stornoway	1012.5	-1	-	0	b	33	94	8	-	-	0	-	0	0
Wick	1012.0	0	W	2	b	34	85	8	4000	St Cu	3	-	3	0
Castlebay	1014.4	0	-	0	cpr.	40	92	8	1500	Nb	8	-	8	1
Nairn	1013.4	*	-	0	b.	33	85	8	4000	Cu	4	-	4	*
Aberdeen	1013.9	+2	NW	1	b	34	92	Y	-	-	0	-	0	0
Malin Head	1015.4	0	W	2	c+	42	85	9	5000	St Cu	Y	A Cu	8	4
Renfrew	1015.5	+1	-	0	ffb	26	94	3	-	-	0	-	0	*
Edinburgh (Inchkeith)	1013.8	+3	WSW	1	b	35	85	4	-	-	0	-	0	0
Leuchars	1014.2	+3	-	0	b	31	85	4	-	-	0	-	0	*
Eskdalemuir	1015.8	+3	N	1	b	31	86	6	-	-	0	-	0	*
Tynemouth	1014.0	+3	NW	1	o/r	34	94	6	800	Nb	10	-	10	0
Blacksod Point	1014.3	0	NW'W	2	0	34	85	Y	*	*	*	*	10	6
Donaghadee	1016.1	+1	W	1	bc+	40	92	8	800	St	6	-	6	2
Birr Castle	1010.0	*	NW	1	b.	24	94	5	4000	St Cu	3	-	3	*
Holyhead	1015.3	+4	N	4	bc	43	85	8	2500	Cu	6	-	6	3
Liverpool (Bidston)	1014.2	+5	N	2	bcff	36	94	6	4000	Cu	3	A St	6	*
Chester (Shotwick)	1014.1	+6	NW	3	0+	34	92	5	4000	St Cu	9	-	9	*
Spurn Head	1012.0	+5	NNW	3	bc	34	94	Y	4000	Cu	6	-	6	2
Birmingham (Edgbaston)	1013.9	+4	WNW	3	ffbc	35	92	2	2500	St Cu	5	-	5	*
Nottingham	1012.8	+4	N	3	ffb	34	92	2	-	-	0	-	0	*
Cranwell	1012.4	+5	NW'N	4	ffo	33	94	2	225	St	10	-	10	0
Gorleston	1010.9	+3	N'W	2	o+	38	94	6	2500	St	10	-	10	*
Valencia (Cahirciveen)	1010.0	+1	-	0	b	34	92	9	4000	St Cu	1	-	1	0
Roches Point	1018.1	+3	N	1	b	36	94	6	-	-	8	-	8	3
Pembroke (St. Ann's H.)	1014.4	+4	NE	3	b	41	92	8	4000	Cu	3	-	3	*
Ross-on-Wye	1015.8	+4	-	0	0+	35	92	6	1500	St	10	-	10	*
Leafield	1012.4	+12	NNE	2	fo.	34	94	2	<150	St	10	-	10	*
Andover	1011.9	+4	N	4	0	34	92	5	1500	St	10	-	10	*
S. Farnborough	1011.5	+6	N	1	mmo	34	94	5	800	St	10	-	10	*
London (Kew Obsy.)	1012.0	+5	N	2	0	38	92	5	1500	St	10	-	10	*
Croydon	1012.1	+8	N'E	2	mmo	34	94	4	450	St	10	-	10	*
Clacton-on-Sea	1009.4	+6	NNW	3	mmc	36	94	5	1500	St	8	-	8	0
Shoeburyness	1010.4	+4	NW	2	ffo	36	85	2	450	St	10	-	10	*
Grain	1010.4	+6	N	4	0	34	92	5	4000	St Cu	10	-	10	0
Lympne	1009.4	+6	N	5	fo+	36	94	3	<150	St	10	-	10	*
Scilly (St. Mary's)	1013.4	+4	NE	4	bc	46	89	8	4000	Cu Nb	6	-	6	3
Falmouth (Pendennis)	1013.0	+6	NNE	~~4~~ 2	b	40	89	8	-	-	0	-	0	0
Plymouth (Cattewater)	1013.4	+6	N	3	b	39	92	6	-	-	0	-	0	1
Portland Bill	1011.3	+6	NNE	3	mo.	40	95	5	800	St	10	-	10	0
Southampton (Calshot)	1011.8	+10	N	4	0	39	92	6	1500	St	10	-	10	4
Dungeness	1008.4	+3	N	3	bcpr.	38	94	Y	-	-	0	A St	5	4
Guernsey	1010.6	+3	N'E	6	mo.	43	92	5	1500	Cu Nb	10	-	10	

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 5th DECEMBER

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 4-5	Temperature. Max. Day. 5	Rainfall.† Night 17h.-9h. 4-5	Rainfall.† Day 9h.-17h. 5	Sunshine.	Sunshine. Sunrise to Sunset. 5
			°F.	°F.	mm.	mm.		hr.
Montrose	Rm	com	39	43	8	1		0.0
Berwick-on-Tweed	roprd	procr	35	44	3	2		0.3
Llandudno	fo	moc	36	42	1	-		0.0
Colwyn Bay	m	cm	32	41	-	-		0.0
Rhyl	g	o	32	4	-	-		0.0
Southport	oco	oco	32	39	0.2	-		0.0
Blackpool	oc	o	34	40	-	-		0.6
Ilkley	xmd	om	30	39	0.3	0.4		0.0
Harrogate	o	o	29	34	0.4	-		0.0
Skegness	bncfo	of	29	39	trace	-		0.0
Aberystwyth	rcb	o	39	44	6	-		2.0
Bath	po	po	34	41	6	1		0.0
Leamington Spa	oc	oc	30	37	-	-		0.0
Lowestoft	bfb	bcb	30	40	-	-		4.6
Felixstowe	cf	cf	31	43	0.4	0.2		2.1
Southend	fbc	co	32	43	1	-		2.2
Ilfracombe	op	op	40	46	2	0.3		0.0
Bude	pbtp	bcbc	35	48	3	2		2.6
Torquay	bcpc	cdcd	39	45	2	1		1.5
Weymouth	op	op	43	50	6	1		0.1
Bournemouth	o	o	39	46	12	1		0.0
Portsmouth (S'thsea)	or	om	38	46	1	3		0.0
Littlehampton	ocpoc	bc	34	46	3	-		0.0
Worthing	ot	coc	34	46	6	-		0.0
Brighton	o	o	34	47	2	-		0.1
Eastbourne	bcco	oro	38	46	5	0.2		0.7
Hastings	cmbco	om	38	46	6	-		0.7
Folkestone	ocbc	bcom	35	46	1	-		0.8
Dover	bccoc	cbcco	34	47	1	-		3.5
Tunbridge Wells	bcmb	oof	33	45	1	-		1.7
Ramsgate	bc	bco	38	48	0.4	-		3.8
Margate	obc	obc	37	48	0.1	-		2.8
Deal	bc	bcc	32	48	1	-		3.7

TERMS OF SUBSCRIPTION.—6/6 per quarter or 25/- per year, post free. Single copies may be obtained at the Meteorological Office, price 1d.

* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. § For code see page 3. ‡ See footnote page 1

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B 22,660 FRIDAY, 7th DECEMBER 1923.

Observations at 1300 G.M.T. 6th

STATIONS. (For heights see p. 4).	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	State of ground.
Lerwick	1010.6	-1	S	1	b	41	88	8	4000	Cu	1	Cu	2	*
Stornoway	1009.7	-3	*	0	o+	40	88	7	800	St	10	*	10	*
Wick	1010.9	-2	WSW	2	b	38	88	8	4000	Cu	1	CuSt	3	*
Castlebay	1011.2	-4	SW	4	c	45	88	8	1500	CuNb	7	*	7	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1013.9	-1	SW	1	b	37	88	6	*	*	0	*	0	3
Malin Head	1013.8	-3	SE	3	0⊕	41	92	9	*	*	0	CuSt	9	*
Renfrew	1015.4	-2	NE	1	ffb	30	97	2	*	*	0	*	0	6
Edinburgh (Inchkeith)	1014.3	-1	SW	2	mb-	38	75	6	*	*	0	Cu	1	*
Leuchars	1014.0	-1	WSW	1	bc+	37	88	6	*	*	0	CuSt	5	3
Eskdalemuir	1015.6	0	*	0	b	33	88	7	*	*	0	*	0	3
Tynemouth	1015.4	0	W	1	b	38	92	5	*	*	0	*	0	*
Blacksod Point	1015.3	-1	ESE	4	o	43	75	8	*	*	*	*	10	*
Donaghadee	1016.6	0	WSW	1	c+	40	92	7	800	StCu	3	ASt	8	*
Birr Castle	1017.8	*	NW	1	c+	34	88	6	4000	StCu	8	*	8	*
Holyhead	1016.2	+1	*	0	b	46	88	8	2500	Cu	1	CuSt	3	1
Liverpool (Bidston)	1016.0	0	N	1	bc+	39	88	6	4000	Cu	4	*	4	*
Chester (Shotwick)	1016.1	0	NW	2	bc	41	88	6	4000	StCu	4	*	4	2
Spurn Head	1015.2	+4	NW	3	o/f	40	88	7	4000	StCu	10	*	10	*
Birmingham (Edgbaston)	1016.0	+1	NW	2	fbc	39	85	3	4000	Cu	6	*	6	2
Nottingham	1015.4	0	NNE	2	fb-	41	85	3	*	*	0	*	0	*
Cranwell	1015.6	+1	NW'N	3	b	37	97	5	*	*	0	ACu	1	2
Gorleston	1013.9	+1	N	3	b-	43	75	7	4000	Cu	2	*	2	*
Valencia (Cahireiveen)	1017.0	-4	SSE	3	o+	44	88	8	2500	St	4	ASt	10	1
Roches Point	1017.4	-1	WNW	1	o	40	92	7	*	*	0	ASt	10	*
Pembroke (St. Ann's H.)	1016.7	+1	*	0	bc	44	75	8	4000	Cu	4	*	4	*
Ross-on-Wye	1015.7	+1	N'W	1	o+	41	88	6	4000	StCu	9	*	9	1
Leafield	1015.3	0	N	3	mbc	40	92	5	2500	St	4	ACu	6	1
Andover	1015.3	+2	N'E	3	o	39	92	6	800	St	10	*	10	1
S. Farnborough	1015.0	+3	N	3	mo-	40	92	6	450	St	10	*	10	1
London (Kew Obsy.)	1015.0	+1	N'W	2	b	39	88	5	2500	Cu	2	*	2	1
Croydon	1014.4	0	NNW	2	ffbc	39	92	3	1500	StCu	4	*	4	2
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1013.7	+2	NE	3	mc-	40	88	6	5700	Cu	8	*	8	*
Grain	1014.0	+3	N	4	o+	42	88	6	5700	StCu	9	*	9	2
Lympne	1012.8	+2	NNE	5	c-	40	88	6	800	St	7	*	7	2
Scilly (St. Mary's)	1016.8	+2	NE	1	c	48	88	8	4000	Cu	7	*	7	*
Falmouth (Pendennis)	1015.8	0	NE'N	1	b+	44	75	7	5700	Cu	2	*	2	*
Plymouth (Cattewater)	1016.1	+1	N	2	b	43	88	5	*	*	0	CuSt	2	1
Portland Bill	1014.6	+2	NNE	3	c/f	42	75	6	4000	StCu	8	*	8	*
Southampton (Calshot)	1015.4	+1	NNW	4	mb-	41	88	6	800	St	1	*	1	0
Dungeness	1012.3	+3	N	3	bc+	43	88	7	4000	Cu	5	*	5	*
Guernsey	1014.7	+2	NNE	4	mwbc	44	92	6	4000	CuNb	6	*	6	*

Observations at 1800 G.M.T. 6th

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1009.7	-1	S	1	b	39	92	8	-	-	0	ASt	2	0
Stornoway	1004.5	-5	SW	5	opr0	42	92	6	450	St	10	-	10	3
Wick	1007.7	-4	SSW	2	bc	39	92	8	1500	St	1	CuSt	6	0
Castlebay	1006.0	-6	SSE	5	opr0	45	85	6	800	Nb	10	-	10	6
Nairn	1008.5	*	-	0	bc+	33	85	8	1500	St	5	-	5	*
Aberdeen	1011.8	-2	SW	1	b	32	92	5	-	-	0	-	0	0
Malin Head	1007.8	-6	SSE	5	o	39	85	9	4000	Nb	1	ASt	9	1
Renfrew	1013.0	-2	S	1	bm-	32	85	5	4000	StCu	1	-	1	*
Edinburgh (Inchkeith)	1012.3	-2	SW	1	b/f	36	85	7	*	St	1	-	1	0
Leuchars	1012.0	-2	-	0	ffb	28	92	3	-	-	0	-	0	*
Eskdalemuir	1014.9	-2	-	0	b	25	97	7	-	-	0	-	0	*
Tynemouth	1014.8	-1	-	0	fb	36	97	3	-	-	0	-	0	0
Blacksod Point	1006.1	-?	SE'E	6	opr0	45	75	7	*	*	*	*	10	7
Donaghadee	1014.1	-2	SW	2	bc-	36	92	8	450	St	4	-	4	3
Birr Castle	1012.5	*	SE	3	o+	36	97	6	2500	Nb	10	-	10	*
Holyhead	1014.6	-2	SSE	3	b	40	92	8	-	-	0	-	0	0
Liverpool (Bidston)	1015.4	-1	ESE	1	bc/f	36	97	5	800	St	2	ASt	4	2
Chester (Shotwick)	1015.8	+0	-	0	fb	30	92	3	1500	St	1	-	1	*
Spurn Head	1016.1	+3	WNW	2	bmm	37	97	4	-	-	0	-	0	1
Birmingham (Edgbaston)	1016.7	+1	WNW	2	bF+	35	92	1	-	-	0	-	0	*
Nottingham	1016.5	+1	-	0	bF+	33	97	1	-	-	0	-	0	*
Cranwell	1016.5	+1	NW	1	b	33	97	5	-	-	0	-	0	*
Gorleston	1015.8	0	-	0	bm	36	92	4	-	-	0	-	0	0
Valencia (Cahireiveen)	1010.5	-7	SE	5	o	43	85	8	1500	St	7	ASt	10	4
Roches Point	1013.7	-4	SW	4	o	44	85	8	-	-	0	ASt	10	0
Pembroke (St. Ann's H.)	1015.8	-2	S	2	bc	43	85	8	-	-	0	ASt	4	1
Ross-on-Wye	1016.6	+1	-	0	bm+	34	92	4	-	-	0	-	0	*
Leafield	1017.2	+2	N	1	bf+	32	92	2	4150	St	10	-	10	*
Andover	1017.0	+2	WNW	2	b-	31	97	5	-	-	0	-	0	*
S. Farnborough	1016.6	+2	-	0	fb	30	92	3	-	-	0	-	0	*
London (Kew Obsy.)	1016.8	+2	W	1	bF+	35	97	0	4150	St	10	-	10	*
Croydon	1017.2	+3	SW	1	bff	32	97	2	-	-	0	-	0	*
Clacton-on-Sea	1015.5	+2	NNW	3	bm+	35	97	6	2500	St	3	-	3	0
Shoeburyness	1016.0	+3	NE	1	bm+	34	85	5	-	-	0	-	0	*
Grain	1016.8	+3	NW	3	b-	32	97	5	-	-	0	-	0	0
Lympne	1015.4	+4	NE	3	b/-	35	92	6	4000	StCu	3	-	3	*
Scilly (St. Mary's)	1016.7	0	-	0	c	45	92	8	4000	StCu	8	-	8	2
Falmouth (Pendennis)	1016.1	0	-	0	bc-	42	85	7	5700	StCu	5	-	5	0
Plymouth (Cattewater)	1016.3	+2	-	0	b	39	92	7	-	-	0	-	0	0
Portland Bill	1015.6	+2	N	1	b-	38	75	6	-	-	0	-	0	1
Southampton (Calshot)	1017.1	+3	NWN	3	bm+	36	97	5	-	-	0	-	0	0
Dungeness	1014.8	+3	N	2	b-	37	92	7	-	-	0	-	0	2
Guernsey	1016.5	+3	-	0	bm+	42	85	6	-	-	0	-	0	0

LONDON OBSERVATIONS.

	Heights above M.S.L. in feet.	Weather. Morning. (24 hours ended 0000 G.M.T. 7th)	Weather. Afternoon.	Weather. Night.	Temperature. Max. °F.	Temperature. Min. °F.	Min. on Grass. °F.	Rainfall. mm. Day.	Rainfall. mm. Night.	Sunshine to Sunset, hrs. (Yesterday)	Humidity. 15h. G.M.T. % (Yesterday)	Humidity. 9h. G.M.T. % (To-day)	Visibility 9h.
Kew	18	ombm	bmofx	ofx ofx	*	*	24	-	-	1.8	*	*	2
Croydon (24 hours ended 0700)	244	omfbc	obfx	ofex	*	*	23	-	-	0.0	*	*	5
Greenwich (Royal Obsy.)	149	oc	bcc.m	omfxo	40	24	22	-	-	0.1	88	96	4
City (Bunhill Row)	80	*	*	*	*	*	*	*	*	0.0	*	*	*
Westminster (St. James' Pk.)	27	*	*	*	??	31	24	-	-	0.0	84	94	*
Regent's Pk. (Botanic Gdns).	168	*	*	*	*	*	*	*	*	1.6	*	*	*
Camden Square	110	oco	co	*	40	31	26	-	-	*	*	100	*
Kensington Palace	86	co	o.of	*	40	30	21	-	0.3	*	At 18h 91	100	*
Hampstead Observatory	456	*	*	*	38	29	14	-	-		*	100	*

ATMOSPHERIC POLLUTION.

Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 1600 G.M.T. 6th

South Kensington

Max.	Time.	Min.	Time.

Kew Observatory

Max.	Time.	Min.	Time.

POLE STAR RECORD at Greenwich Obsy.

Exposure from 6th 14 h. 0 m. to 7th 6 h. 30 m.

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	13 30	NIL	0
δ Ursae Minoris	13 30	NIL	0

CODE FOR STATE OF GROUND.

0 = Dry ground.
1 = Wet ground.
2 = Soft (muddy) wet ground.
3 = Bare ground frozen (but less than 2 ins. deep).
4 = Bare ground frozen (but more than 2 ins. deep).
5 = Dew (or wet grass but not wet ground).
6 = Skating to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7 = Snow (thin layer, often not continuous).
8 = Snow (deep, impeding traffic, usually a continuous layer).
9 = Glazed roads (ice on roads from frozen rain, or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.[1]

Time.	Type.	No. per 4 sec.	Stren.	Direc.
13h	C	5	-	150°
18h	C	5	-	10°
01h	C, C_2	5	-	35°
07h	C, C_2	6	-	55°

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.

7th, 8th, 9th DECEMBER, 1923.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7.51	11.45	3.39
	7.52	11.45	3.38
Greenwich	7.53	11.52	3.51
	7.54	11.52	3.50
Wick	8.49	12.4	3.19
	8.50	12.4	3.18
Valencia	8.34	12.35	4.29
	8.33	12.33	4.28

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, „ less than 200 m.
m mist, „ 1000—10000 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. r rain. s snow.
rs sleet t thunder.
u ugly, threatening sky.
v unusual visibility. w dew.
x hoar frost. y dry air.
z dust haze; the turbid atmosphere of dry weather.
h(r) = "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity.
R = heavy rain. r_0 = slight rain.
rr = continuous rain.

SYMBOLS.

< = less than (for cloud height). < = before (for precipitation).
⊕ = solar halo. ☾ = lunar halo.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions, thus:—bc/r = fair weather after rain; − = "decreasing"; + = "increasing."

The BEAUFORT SCALE of WIND is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers, is the speed at about 30 feet above the ground.

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1- 3
2	4- 7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

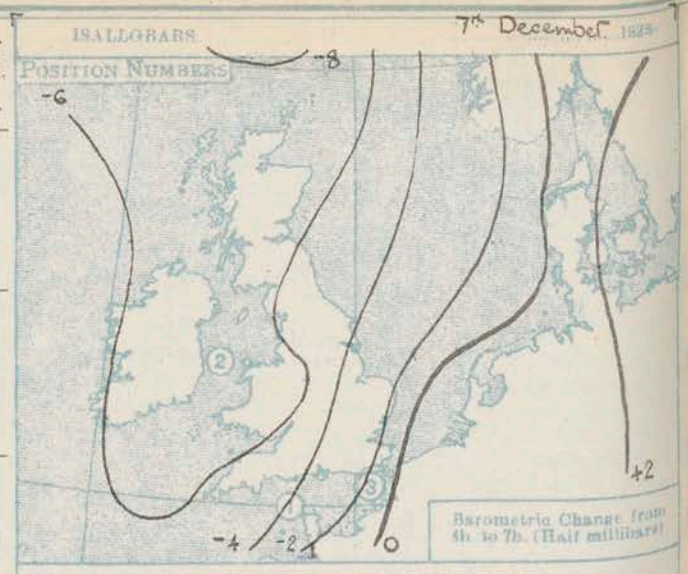
SEA DISTURBANCE.

0 = no swell } Calm or slight sea.
1 = mod. swell
2 = heavy swell
3 = no swell } Moderate sea.
4 = mod. swell
5 = heavy swell
6 = rather rough sea.
7 = rough sea.
8 = very rough sea.
9 = mountainous sea

[1] For explanation see Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 6h	13h.-18h. 6h	18h. 6h to 1h. 7h	1h.-7h. 7h	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS.	RAINFALL.† Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began.	SUN. 6h Hours.
Lerwick	D	b	o	obrq	42	39	.	—	Trace	—	06.30	3.9
Stornoway ...	c	p	r.d	r.d	43	39	.	0.5	4	—	.	0.0
Wick	b.bc	c	oo	oir	39	34	.	—	Trace	—	0230	.
Castlebay	opc	cop	op	opr	45	44	.	0.3	1	—	-	0.3
Nairn	bcc	cq	cqq	cq	36	33	.	—	-	—	-	3.3
Aberdeen	bxm	bbmx	bmxo	oorq	34	31	25	—	Trace	—	0630	4.2
Malin Head	cov	cov	eor	or	45	33	.	—	2	—	2200	0.0
Renfrew	bffx	boffxb	bmxo	oorq	32	32	28	—	1	—	0430	0.0
Edinburgh (Inchkeith)	mm	mb	c	oid	39	36		—	Trace	—	0300	4.2
Leuchars	bxbcm	bcmb	bfxbbc	bccor	37	28	15	—	0.2	—	0630	4.5
Eskdalemuir	bxb	bbcbx	bccamx	oo xm	35	24	19	—	0.1	—	.	5.4
Tynemouth	bm	bf	bff	om	39	33	31	—	.	—	.	.
Blacksod Point ...	oo	oo	p	p	45	40	.	—	24	—	-	.
Donaghadee	of	om	c	omr	43	36	.	—	1	—	0430	.
Birr Castle	doz.	co	ORR	oiR	36	36	33	—	12	—	2200	0.0
Holyhead	bccbc	bb	bbcco	orr	44	39	36	—	5	—	0230	3.8
Liverpool (Bidston) ...	bcbm	f-m			40	34	29	—	.	—	-	3.4
Chester (Shotwick) ...	ombcm	bmbf	bffbefx	bcpopr mq	43	25	22	—	Trace	—	0630	3.0
Spurn Head	c	cbm	bbmx	bmxox	40	33	.	0.2	-	20800	-	3.4
Birmingham (Edgbaston)	ffm	beff	bfof	ofmx	39	30	21	—	-	—	-	0.0
Nottingham	f-m	f-m	fx	fmx	41	24	25	—	-	—	-	1.3
Cranwell	ofcmb	bm	bx	bbc	38	24	18	—	Trace	—	-	4.0
Morleston	cbc	b	bffx	bfxbc	43	24	24	—	-	—	-	3.4
Valencia (Cahirciveen)	bbco	oo	or	oR	46	43	41	—	25	—	<2100	0.2
Roches Point	b30	oo	orr	rrm	48	43	.	—	12	—	<2100	.
Pembroke (St. Ann's H.)	b. bc	b-bc	co	oqrr	45	43	.	—	4	—	0230	4.5
Ross-on-Wye	cmbmcm	cmbm	bfxofx	omo	42	26	21	—	0.1	—	-	3.3
Leafield	bc	fdcf	f	f	40	24	14	—	-	—	-	3.0
Andover	cm	bmbcm	bmoffx	offx	40	24	18	—	-	—	-	1.4
S. Farnborough ...	om	ombm	bfofx	ofx	40	26	19	—	-	—	-	2.0
London (Kew Obsy.) ...	ombm	bmofx	offx	ofxofx	41	28	24	—	-	—	-	1.8
Croydon	omfbc	obfx	ofex	ofex	39	24	20	—	-	—	-	0.0
Clacton-on-Sea ...	cm	cbcm	bcmx	bcomfx	41	24	25	—	-	—	-	0.0
Shoeburyness	offcm	cmbcbmx	cmx	offx	42	26	21	Trace	-	—	-	1.3
Grain	owmbc	omcbm	bmxF	FFX	42	26	20	—	Trace	—	-	3.4
Lympne	ocm	cbcm	bbcc	om	41	30	22	—	Trace	—	-	3.2
Scilly (St. Mary's) ...	c	c	bbc	corq	49	43	.	—	4	—	03.30	1.5
Falmouth (Pendennis)	b.bc	bc	bcco	cof	45	41	.	—	0.2	—	0330	5.8
Plymouth (Cattewater)	bm	bm	b	bo	45	37	34	—	-	—	-	5.6
Portland Bill	f-m	c	bbc	bbc	42	36	.	—	-	—	-	.
Southampton (Calshot)	omb	bm	bffxofxo	fxofof	42	31	24	Trace	Trace	—	<2100	3.4
Dungeness	b.bc	b.bc	p	bbcmr	43	32	.	Trace	1	20800	2400	.
Guernsey	cmh	cbcbm	bbc	bcc	44	41	.	—	-	—	-	.



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility
1	6th 1300	REINDEER	NNE	4	co	43	50	5
2	" 1005	ANGLIA	NW	3	c	51	49	8

GENERAL INFERENCE.

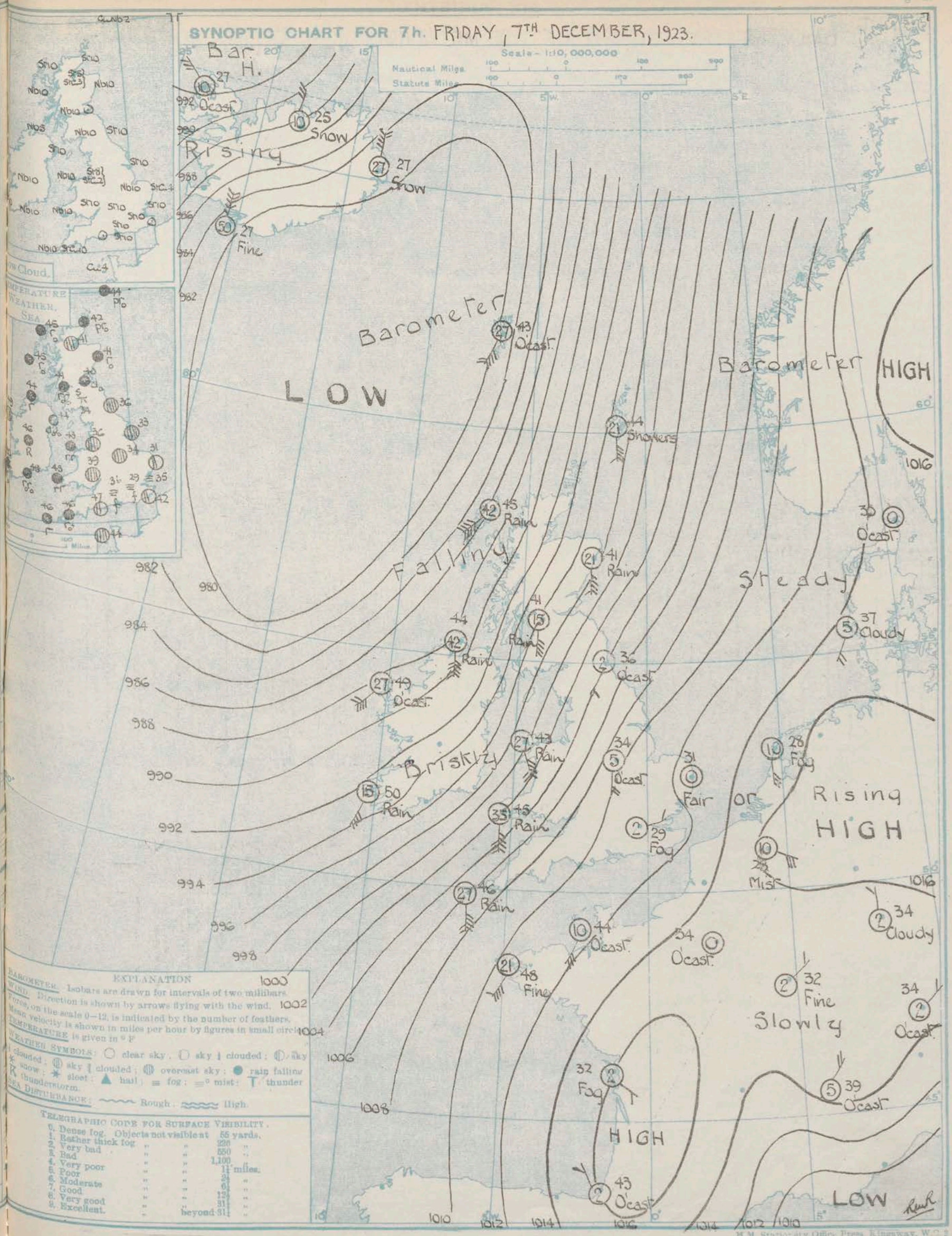
The large and intense depression now centred between Ireland and Iceland will cause rain today in all districts and gales from S. or S.W. in many places. There will be a marked rise of temperature in the E. and S.E. districts.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Friday, 7th December, 1923.	Further Outlook.
1. S.E. England 2. E. England	Wind S. or S.W., strong, a gale in exposed places; rainy at first bright intervals later; visibility moderate; milder.	
3. E. Midlands 4. W. Midlands	Wind S. to S.W., fresh or strong; rainy at first, bright intervals later; milder.	Unsettled. ---
5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N.&N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands 17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind S. or S.W., veering W., strong to a gale; rainy at first, bright intervals later; visibility moderate to good; rather mild.	South Cone hoisted at 1510 6.12.23. 0335 7.12.23. 0915 7.12.23. ---

E.G.B.

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0910 GMT. G. C. SIMPSON, F.R.S., Director.

§ For Code see opposite page.



H.M. Stationery Office Press, Kingsway, W.C.2

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. FRIDAY, 7th DECEMBER 1923. No. 341.

Observations at 0100 G.M.T. 7th

STATIONS.	Height above M.S.L. in feet	Barom. at M.S.L. mb	Change in 3 Hours.†	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10
Lerwick	6	1004.2	-4	SW	3	0	43	85	Y	-	-	0	A St	10
Stornoway	9	996.5	-10	SSW	8	r+	.	.	3	.	.	.	.	.
Wick	31	999.8	-8	SSW	6	0	41	85	8	800	St	3	A St	10
Castlebay	37	.	.	.	.	.	.	.	.	.	.	.	.	.
Nairn	42	.	.	.	.	.	.	.	.	.	.	.	.	.
Aberdeen	38	.	.	.	.	.	.	.	.	.	.	.	.	.
Malin Head	71	994.0	-13	SSE	6	or+	38	94	Y	4000	Nb	4	A St	10
Renfrew	38	.	.	.	.	.	.	.	.	.	.	.	.	.
Edinburgh (Inchkeith)	100	1006.0	-5	SSW	2	0+	39	85	8	.	-	0	A St	10
Leuchars	26	.	.	.	.	.	.	.	.	.	.	.	.	.
Eskdalemuir	794	.	.	.	.	.	.	.	.	.	.	.	.	.
Tynemouth	118	1011.8	-3	-	0	b/f	35	94	6	-	-	0	-	0
Blacksod Point	19	994.5	-9	SSE	8	oPR	46	92	3	.	.	.	.	10
Donaghadee	35	.	.	.	.	.	.	.	.	.	.	.	.	.
Birr Castle	175	.	.	.	.	.	.	.	.	.	.	.	.	.
Holyhead	26	1003.6	-6	SSE	6	0	43	92	Y	2500	St	10	-	10
Liverpool (Bidston)	189	.	.	.	.	.	.	.	.	.	.	.	.	.
Chester (Shotwick)	16	.	.	.	.	.	.	.	.	.	.	.	.	.
Spurn Head	26	1014.1	-2	S	3	mmb	36	92	5	-	-	0	-	0
Birmingham (Edgbaston)	525	.	.	.	.	.	.	.	.	.	.	.	.	.
Nottingham	82	.	.	.	.	.	.	.	.	.	.	.	.	.
Cranwell	237	1014.4	-3	S	2	b	29	94	5	-	-	0	-	0
Gorleston	13	1016.4	0	NW	1	FFb	28	94	1	-	-	0	-	0
Valencia (Cahirciveen)	30	1002.1	-8	SSW	Y	oRR	43	92	Y	+	St	10	-	10
Roches Point	32	.	.	.	.	.	.	.	.	.	.	.	.	.
Pembroke (St. Ann's H.)	149	1010.4	-5	S	5	0	46	85	8	-	-	0	A St	10
Ross-on-Wye	223	.	.	.	.	.	.	.	.	.	.	.	.	.
Leafield	556	.	.	.	.	.	.	.	.	.	.	.	.	.
Andover	295	.	.	.	.	.	.	.	.	.	.	.	.	.
S. Farnborough	230	.	.	.	.	.	.	.	.	.	.	.	.	.
London (Kew Obsy.)	18	.	.	.	.	.	31	.	.	.	.	.	.	.
Croydon	244	1016.4	-2	SW	1	FFo	29	94	0	<150	St	10	-	10
Clacton-on-Sea	54	.	.	.	.	.	.	.	.	.	.	.	.	.
Shoeburyness	11	.	.	.	.	.	.	.	.	.	.	.	.	.
Grain	20	.	.	.	.	.	.	.	.	.	.	.	.	.
Lympne	350	1015.4	-2	S	2	0	30	94	6	2500	St	10	-	10
Scilly (St. Mary's)	131	1011.4	-5	S	4	c	43	92	8	4000	St Cu	4	-	4
Falmouth (Pendennis)	200	1012.4	-3	SW'S	4	0-	45	48	8	5400	St Cu	9	-	9
Plymouth (Cattewater)	82	.	.	.	.	.	.	.	.	.	.	.	.	.
Portland Bill	19	1014.1	-2	NE	1	b	43	85	Y	-	-	0	-	0
Southampton (Calshot)	12	1015.4	-2	N	1	FFo	31	94	1	225	St	10	-	10
Dungeness	21	1015.2	0	N	1	or b	33	94	6	1500	St	10	-	10
Guernsey														

Observations at 0700 G.M.T. 7th

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.†	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sun.
Lerwick	996.9	-5	S	5	obr	44	95	6	4000	Cu Nb	2	A St	10	4
Stornoway	986.1	-4	SW	8	or	43	92	6	450	St	10	-	10	6
Wick	992.0	-8	SSW	8	obr	42	85	4	800	St	10	-	10	6
Castlebay	986.8	-4	S	6	or	45	94	6	800	Nb	10	-	10	4
Nairn	991.8	.	SW	4	c+	41	85	8	1500	St	8	-	8	.
Aberdeen	998.8	-4	S	5	or	41	85	6	1500	Nb	10	-	10	1
Malin Head	984.4	-6	S	8	or	44	94	4	4000	Nb	6	A St	10	4
Renfrew	994.5	-6	S	4	or	41	92	4	1500	Nb	10	-	10	.
Edinburgh (Inchkeith)	998.4	-8	SSW	3	od	40	85	4	.	-	0	A St	10	2
Leuchars	998.8	-6	SSE	3	or	38	85	4	2500	St	4	A St	10	.
Eskdalemuir	1001.2	-5	SSE	4	os	34	85	5	800	Nb	10	-	10	.
Tynemouth	1005.8	-6	SSW	1	0+	36	92	5	800	St	10	-	10	0
Blacksod Point	988.1	-4	SW	6	0	49	94	4	.	.	.	.	10	4
Donaghadee	994.9	-6	SW	4	od, d	44	92	8	450	St	10	-	10	.
Birr Castle	992.2	.	SE	4	oR	46	94	5	1500	Nb	10	-	10	5
Holyhead	1000.1	-4	SSE	6	orr	43	94	4	1500	Nb	10	-	10	5
Liverpool (Bidston)	1004.3	-4	SE	4	0	36	92	5	2500	St	10	-	10	.
Chester (Shotwick)	1003.5	-4	SE	4	or	36	92	4	2500	Nb	10	-	10	.
Spurn Head	1009.8	-4	S	4	0+	33	94	5	1500	St	10	-	10	2
Birmingham (Edgbaston)	1008.6	-5	SSE	4	mo-	33	92	4	-	-	0	A St	10	.
Nottingham	1009.0	-6	S	2	0	34	92	5	2500	Nb	10	-	10	.
Cranwell	1011.0	-4	~~W~~ SSE	3	0	29	94	5	4000	St Cu	10	-	10	.
Gorleston	1013.4	-2		0	bc+	31	94	6	4000	St Cu	4	-	4	0
Valencia (Cahirciveen)	992.0	-4	SW	4	or	50	94	6	<150	St	10	-	10	6
Roches Point	994.8	-9	S	6	or c	48	94	6	2500	Nb	10	-	10	5
Pembroke (St. Ann's H.)	999.6	-4	S	4	orr	45	94	4	1500	Nb	10	-	10	.
Ross-on-Wye	1004.4	-6	SE	4	0	39	85	6	2500	St	10	-	10	.
Leafield	1010.6	-4	~~NW~~ E	2	oF	31	94	1	<150	St	10	-	10	.
Andover	1010.8	-6	ESE	1	FFo	32	94	1	<150	St	10	-	10	.
S. Farnborough	1011.3	-4	NE	3	fo-	28	94	2	<150	St	10	-	10	.
London (Kew Obsy.)	1011.4	-4	ENE	1	FFo	29	94	1	<150	St	10	-	10	.
Croydon	1012.5	-4	S	3	mmo	31	94	4	450	St	5	A St	9	.
Clacton-on-Sea	1012.4	-2	SSW	3	ffo	35	94	2	<150	St	10	-	10	0
Shoeburyness	1012.9	-3	-	0	Fo	31	85	1	450	St	10	-	10	.
Grain	1013.1	-2	SE	2	FFo	29	94	1	<150	St	10	-	10	0
Lympne	1013.2	-2	S	3	0	39	85	4	2500	St	10	-	10	.
Scilly (St. Mary's)	1006.1	-6	S	6	or	46	94	4	4000	Nb	10	-	10	6
Falmouth (Pendennis)	1006.1	-5	SW	6	or+	46	85	4	4000	St Cu	10	-	10	0
Plymouth (Cattewater)	1004.1	-4	SSW	5	o/p	46	92	8	1500	Nb	10	-	10	3
Portland Bill	1009.3	-4	S	3	bc	44	85	4	-	-	0	A Cu	6	0
Southampton (Calshot)	1011.4	-4	E	3	FFo	36	94	1	225	St	10	-	10	0
Dungeness	1012.6	-3	SSW	4	bc+	42	85	4	-	-	0	Ci Cu	5	4
Guernsey	1011.4	-3	SW	3	0	44	85	4	2500	Cu	4	Ci St	10	1

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 6th DEC.

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 5th-6th	Temperature. Max. Day. 6th	Rainfall.† Night 17h.-9h. 5th-6th	Rainfall.† Day 9h.-17h. 6th	Sunshine.	Sunshine. Sunrise to Sunset. 6th
			°F.	°F.	mm.	mm.		hr.
Montrose	bxbc	bbcm	31	37	-	-		5.6
Berwick-on-Tweed	pr2m	bm	34	43	2	-		5.4
Llandudno	cbc	bcb	34	46	-	-		4.8
Colwyn Bay	c	c	34	44	-	-		4.7
Rhyl	cbc	bcbc	37	38	-	-		5.0
Southport	ocb	bm	34	39	-	-		4.2
Blackpool	mb	bcm	33	41	-	-		4.8
Ilkley	xbcb	b	29	34	-	-		4.3
Harrogate	c	c	31	39	1	-		4.5
Skegness	oroc	cbcbf	34	42	-	-		4.6
Aberystwyth	oc	cb	32	43	-	-		4.0
Bath	moc	comb	35	40	-	-		0.1
Leamington Spa	o	of	32	38	-	-		0.0
Lowestoft	oc	cbb	36	43	0.3	-		3.2
Felixstowe	om	omcbm	34	41	0.2	-		0.1
Southend								
Ilfracombe	bc	bcco	40	46	-	-		5.8
Bude	xbm	mbbc	32	46	-	-		5.2
Torquay	b	b	36	44	-	-		5.0
Weymouth	bm	bm	36	46	-	-		2.2
Bournemouth	ooc	cb	35	41	1	-		2.7
Portsmouth (S'thsea)	oc	bc	37	43	-	-		0.2
Littlehampton	ocmbc	bcbcm	34	42	-	-		3.4
Worthing	bcb	b	38	41	-	-		1.3
Brighton	cbff	fofo	36	43	1	-		1.0
Eastbourne	bcc	bcb	36	43	-	-		4.4
Hastings	ocbcb	bbcb	37	43	0.1	-		4.0
Folkestone	bcoc	bc	37	44	1	-		3.0
Dover	omoc	cocc	38	44	1	1		1.2
Tunbridge Wells	foco	obcbf	36	42	Trace	-		0.6
Ramsgate	cbc	bcc	39	[illegible]	2	-		1.4
Margate	cbcb	bcco	39	44	1	-		2.3
Deal	rrc	cbc	38	44	1	-		1.2

TERMS OF SUBSCRIPTION.—6/6 per quarter or 25/- per year, post free. Single copies may be obtained at the Meteorological Office, price 1d.

* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. § For code see page 3. ‡ See footnote page 1

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.22,661 SATURDAY, 8th DECEMBER 1923.

Observations at 1300 G.M.T. 7th / Observations at 1800 G.M.T. 7

STATIONS. (For heights see p.4).	1300: Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Low Form	Low Amt. 0-10	Upper Form.	Total Amt. 0-10	State of ground.	1800: Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Low Form	Low Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	990.8	-3	S	9	od_o	45	85	6	4000	Nb	5	A.st	10	•	987.9	-3	S	9	orr	44	92	6	4000	Nb	10	-	10	8
Stornoway	980.8	-6	SW	6	or_or_o	46	97	6	450	St.	10	-	10	•	978.4	-2	SW	4	o/r	47	92	6	450	St	10	-	10	3
Wick	986.3	-8	SSW	8	o	42	92	7	800	St	6	A.st	10	•	983.7	-4	S	7	o	42	92	7	800	St	6	ASt	10	7
Castlebay	982.0	-6	SSW	6	ogr_o	47	97	6	800	Nb	10	-	10	•	979.3	-2	SSW	5	o	48	92	6	1500	St	10	-	10	7
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•	982.2	•	S	4	c	43	85	8	1500	St	8	-	8	•
Aberdeen	992.9	-6	S	5	or_o	41	92	6	800	Nb	10	-	10	2	988.9	-5	S	6	orr	41	97	6	800	Nb	10	-	10	4
Malin Head	983.0	-4	S	7	o	47	97	7	1500	St.	10	-	10	•	981.0	-2	S	5	o/r	47	92	8	4000	Nb	2	ASt	9	4
Renfrew	990.5	-7	S	4	orr	44	97	6	1500	Nb	10	-	10	2	985.8	-5	S	5	od_od_o	43	92	6	1500	Nb	10	-	10	•
Edinburgh (Inchkeith)	992.2	-5	SSW	4	o/r	41	85	7	-	-	0	Ast	10	•	986.8	-7	S	4	o/r	42	85	7	•	St	2	ASt	10	3
Leuchars	993.1	-6	S	5	or_o	40	85	6	1500	St	8	Ast	10	2	987.5	-6	S	5	o/r	41	85	7	1500	St	10	-	10	•
Eskdalemuir	993.9	-9	S'E	5	or_or_o	36	92	6	800	Nb	10	-	10	4	988.7	-6	SSE	4	orr	38	97	4	450	Nb	10	-	10	•
Tynemouth	999.7	-4	S	3	or_or_o	38	92	5	800	Nb	10	-	10	•	994.0	-5	S	4	ogr_o	40	97	5	800	Nb	10	-	10	2
Blacksod Point	985.6	-1	WSW	5	opr_o	47	85	7	•	•	•	•	10	•	982.5	-2	S'E	5	opr_o	49	75	6	•	•	•	•	10	6
Donaghadee	990.1	-3	S	4	or	47	97	6	450	St.	10	-	10	•	986.4	-3	S	3	or	47	97	6	450	St	10	-	10	5
Birr Castle	989.6	*	SE	1	or_o	49	97	7	4000	Nb	9	-	9	•	986.2	•	S	2	o	45	92	5	2500	Nb	9	-	9	•
Holyhead	992.5	-9	SSE	7	or_or_o	45	97	6	800	Nb	10	-	10	2	988.9	-1	SSW	5	or_o	50	97	6	800	Nb	10	-	10	5
Liverpool (Bidston)	996.6	-9	SE'E	4	o/r	40	92	5	1500	St.	10	-	10	•	991.4	-4	SE	4	o/r	43	97	8	2500	St	10	-	10	5
Chester (Shotwick)	997.4	-10	SE	5	or_o	41	92	6	800	St.	10	-	10	2	991.7	-4	SSE	5	or_o	45	92	6	800	St	10	-	10	•
Spurn Head	1004.1	-8	SSE	6	o	37	92	6	-	-	0	Ast	10	•	997.4	-8	SSE	7	or_or_o	40	92	6	2500	Nb	10	-	10	4
Birmingham (Edgbaston)	1002.2	-8	SE	6	orr	38	97	5	1500	Nb	10	-	10	2	996.7	-6	SE	6	or_o	43	92	6	1500	Nb	10	-	10	•
Nottingham	1003.5	-7	S	3	od_o+	39	92	5	2500	Nb	10	-	10	•	997.3	-7	S	4	or_or_o	41	97	7	2500	Nb	10	-	10	•
Cranwell	1004.9	-5	SSE	4	or_or_o	34	97	5	800	St	10	-	10	2	999.1	-6	SSE	6	orr	37	97	6	800	Nb	10	-	10	•
Gorleston	1010.1	-2	S'W	5	o+	39	85	6	4000	St.Cu	10	-	10	•	1005.8	-4	S	5	o	40	85	6	2500	Nb	10	-	10	4
Valencia (Cahirciveen)	990.5	-1	SW'W	4	or_o	48	85	7	1500	St.	10	-	10	2	986.9	-4	SW'S	5	opr_o	49	85	7	1500	St	10	-	10	6
Roches Point	991.1	-2	SW	4	od_od_o	50	97	6	1500	Nb	10	-	10	•	989.5	0	WSW	3	c-	48	92	8	-	-	0	ASt	7	4
Pembroke (St. Ann's H.)	994.7	-8	S	8	orr	47	97	6	1500	Nb	10	-	10	•	993.4	-1	S	6	od_od_o	50	97	7	1500	Nb	10	-	10	6
Ross-on-Wye	1001.2	-9	S	5	odd	43	92	6	1500	Nb	10	-	10	1	995.6	-5	SSE	6	odd	45	92	6	1500	Nb	10	-	10	•
Leafield	1004.2	-6	S	3	or_or_o	38	97	6	2500	St.	10	-	10	*	998.4	-8	SSE	6	or+	41	97	8	2500	Nb	10	-	10	•
Andover	1005.4	-8	SSE	5	orr	41	97	6	450	Nb	10	-	10	1	1000.6	-5	S'E	5	orr	42	97	6	450	Nb	10	-	10	•
S. Farnborough	1006.8	-7	SSE	4	mmo	41	97	6	2500	St.	9	A st	10	2	1001.6	-6	S'E	6	ogr_o	42	97	6	800	Nb	10	-	10	•
London (Kew Obsy.)	1007.0	-5	S'E	3	or-	42	85	5	-	-	0	A-st	10	1	1001.9	-5	S	5	or_o+	43	85	6	1500	St	10	-	10	•
Croydon	1007.9	-7	S	3	o	41	92	6	-	-	0	A-St	10	2	1002.8	-6	S	5	or_or_o	41	97	6	800	Nb	10	-	10	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1005.2	-4	SSE	4	o	40	92	6	1500	Nb	10	-	10	3
Shoeburyness	1009.2	-4	S	3	o⊕	41	85	6	4000	Cu	1	Cist	9	•	1004.7	-5	S	5	od_o	41	85	7	2500	St	10	-	10	•
Grain	1009.9	-4	S	5	mo-	41	85	6	2500	St	4	A-st	10	2	1004.9	-5	S'E	6	or_o	41	85	7	2500	St	4	ASt	10	0
Lympne	1009.8	-5	S'W	4	o	40	92	6	800	St.	10	-	10	2	1006.0	-4	S	6	or_o	40	85	6	450	Nb	10	-	10	•
Scilly (St. Mary's)	998.0	-6	S	7	or	50	97	6	2500	Nb	10	-	10	•	995.7	-1	SW	4	o/r	51	97	6	1500	St	10	-	10	6
Falmouth (Pendennis)	998.7	-7	SW	7	orr	49	97	6	4000	St.Cu	10	-	10	•	994.9	-3	WSW	6	od_od_o	51	92	6	4000	StCu	10	-	10	1
Plymouth (Cattewater)	1001.4	-7	S	5	orr	46	97	6	450	Nb	10	-	10	2	995.6	-4	SSW	6	orr	50	97	6	800	Nb	10	-	10	5
Portland Bill	1004.3	-8	S	6	or_o	47	85	7	2500	Nb	10	-	10	•	998.5	-6	S'W	7	orr	48	92	6	2500	Nb	10	-	10	6
Southampton (Calshot)	1006.9	-7	S'E	5	or_or_o	45	85	6	1500	Nb	10	-	10	1	1002.0	-5	S'E	5	odd	43	97	6	800	Nb	10	-	10	3
Dungeness	1010.2	-3	SSW	4	bc+	42	92	7	4000	Nb	6	-	6	•	1005.9	-6	SSW	5	bcr	42	85	7	4000	Nb	5	-	5	5
Guernsey	1007.7	-6	S	6	od_od_o	44	97	6	800	Nb	10	-	10	•	1002.0	-5	S	7	orr	46	97	5	1500	Nb	10	-	10	7

LONDON OBSERVATIONS.	Height above M.S.L. in feet.	Weather (24 hours ended 0900 G.M.T. 8) Morning.	Afternoon.	Night.	Temperature Max. °F.	Min. °F.	Min. on Grass. °F.	Rainfall mm. Day.	Night.	Sunshine to Sunset, hrs. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)	Visibility 9h.
Kew (24 hours ended 0700)	18	ofxom	omomr	orr_o ir	•	•	41	0.2	3	0.0	•	•	4
Croydon (24 hours ended 0700)	244	oef	orr_o	omrrco	•	•	40	0.4	8	0.0	•	•	•
Greenwich (Royal Obsy.)	149	o	od	ordo	48	34	38	-	3	0.0	84	85	4
City (Bunhill Row)	80	•	•	•	•	•	•	•	•	0.0	•	•	•
Westminster (St. James' Pk.)	27	•	•	•	49	34	34	3		0.0	83	85	•
Regent's Pk. (Botanic Gdns).	168	•	•	•	•	•	•	•	•	0.0	•	•	•
Camden Square	110	feo	aod	•	49	34	34	0.3	4	•	•	84	•
Kensington Palace	80	o	odr	•	49	30	34	0.3	3	•	At 18h	86	•
Hampstead Observatory	450	•	•	•	44	33	28	2	2	0.0	92	92	•

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 HR. ended 1600 G.M.T. 7

South Kensington Max.	Time.	Min.	Time.
2.0	22h. 6th	0.3	17h. 6th
2.0	8-10h. 7th		

Kew Observatory Max.	Time.	Min.	Time.
1.6	21h. 6th	0.3	14h. 7th
1.1	9h. 7th		

POLE STAR RECORD at Greenwich Obsy.

Exposure from 7th 17 h. 0 m. to 8th 6 h. 30 m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	13 30	Nil	0
δ Ursae Minoris	13 30	Nil	0

CODE FOR STATE OF GROUND.
0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow[1] (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain, or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.[1]

Time.	Type.	No. per 5 sec.	Stren.	Direc.
13h.	C_1	5	-	180°
18h.	C	5	-	160°
01h.	C, C_1	5	-	60°
07h.	C, C_1	6	-	145°

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM. 8th & 9th DECEMBER, 1923.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7.52 / 7.53	11.49 / 11.49	3.38 / 3.38
Greenwich	7.54 / 7.55	11.52 / 11.52	3.50 / 3.50
Wick	8.50 / 8.52	12.2 / 12.2	3.18 / 3.17
Valencia	8.38 / 8.39	12.33 / 12.33	4.28 / 4.28

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, " less than 200 m.
m mist, " 1000—10000 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. r rain. s snow.
rs sleet. t thunder.
u ugly, threatening sky.
v unusual visibility. w dew.
x hoar frost. y dry air.
z dust haze; the turbid atmosphere of dry weather.
h(r)="hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity.
R = heavy rain. r_o = slight rain.
rr = continuous rain.

SYMBOLS.
< = { less than (for cloud height). before (for precipitation).
⊕ = solar halo. ⊕ = lunar halo.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions, thus:—bc/r = fair weather after rain; - = "decreasing"; + = "increasing."

The BEAUFORT SCALE of WIND is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers, is the speed at about 30 feet above the ground.

SEA DISTURBANCE.
0=no swell } Calm or slight sea.
1=mod. swell
2=heavy swell
3=no swell } Moderate sea.
4=mod. swell
5=heavy swell
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

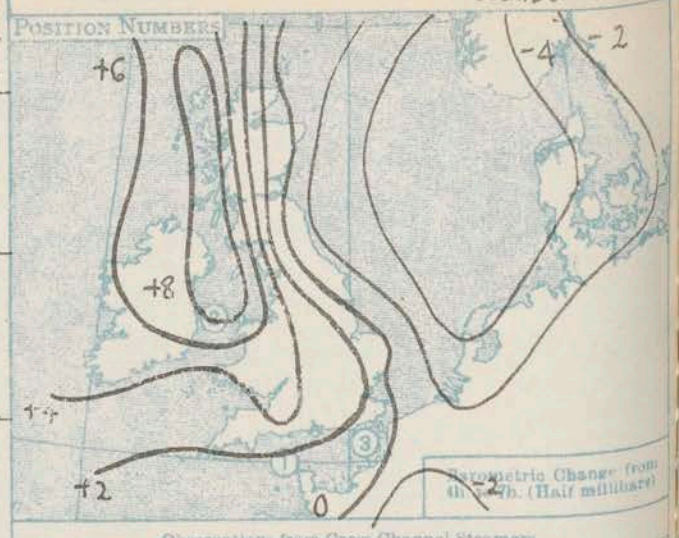
Beaufort No.	Statute miles per hour.
0	Less than 1
1	1- 3
2	4- 7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

[1] For explanation see Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h.	13h.-18h.	18h. to 1h.	1h.-7h.	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS.	RAINFALL.† Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began	SUN. Hours.
Lerwick	omqd	omqr	omqr	omrq	46	43	•	2	14	<0800	<2100	0.0
Stornoway	r	ro	p	rr	44	34	•	3	15	–	<2100	0.0
Wick	oir₀	oo	oo	oir₀	43	42	•	Trace	0.3	<0800	0430	•
Castlebay	crr	mro	r₀r	r₀op	48	39	•	0.3	1	–	–	0.0
Nairn	cq	cqq	cq	cq	43	39	•	–	–	–	–	0.0
Aberdeen	oirq	oirr	rrir₀	ir₀ob	42	41	40	5	5	<0800	<2100	0.0
Malin Head	coe	coir	oimr	ir PR	48	39	•	1	3	14.30	<2100	0.0
Renfrew	oqrr	odd₀q	or₀	or₀o	43	41	39	4	2	13.30	<2100	0.0
Edinburgh (Inchkeith)	oo	p	oir	oo	42	41	*	0.1	1	<0800	<2100	0.0
Leuchars	om	orrme	oor	op₀	41	39	30	3	2	<0800	<2100	0.0
Eskdalemuir	osord	orrm	oddmr	orro	38	34	34	6	13	<0800	<2100	0.0
Tynemouth	oro₀q	oid₀q	oid₀q	oid₀	41	40	39	0.6	1	0900	<2100	
Blacksod Point	p	p		HP	49	34	•	0.5	11	–	*	•
Donaghadee	omqr	omp	o	cpq	48	42	•	4	1	0900	0130	•
Birr Castle	cpr₀	coir₀	copr	copr	50	38	35	0.2	1	<0800	–	0.0
Holyhead	r₀r₀m	irm	ir₀	oprcb	50	45	43	5	1	<0800	<2100	0.0
Liverpool (Bidston)	rom	r-d	opq		44	36	29	5	1	–	<0330	0.0
Chester (Shotwick)	oro₀mq	oro₀m	or₀	or₀pr	45	R 44	42	1	0.5	<0800	<2100	0.0
Spurn Head	oo	corqr	orr	c	40	39	•	0.5	2	15.30	<2100	0.0
Birmingham (Edgbaston)	~~Spr~~	oro₀	oir₀	oo	43	42	40	3	0.2	08.00	<2100	0.0
Nottingham	odo	r₀r	d₀o	oo	41	41	39	2	0.1	11.00	<2100	0.0
Cranwell	omxor	r-d	r.d	oro c	37	34	35	0.5	1	13.30	<2100	0.0
Gorleston	bcfoq	oqu	oqdr	oqd₀d	40	39	38	–	2	–	<2100	0.0
Valencia (Cahirciveen)	oir	opco	op	opoop	50	42	34	1	0.4	<0800	<2100	0.1
Roches Point	dodom	d₀oc	bb	bepo	50	40	•	2	1	<0800	0430	*
Pembroke (St. Ann's H.)	r-d	r-d	c	c	50	45	•	11	1	12.30	<2100	0.0
Ross-on-Wye	oqdq	ddoq	oddob	oco	45	43	39	1	1	09.00	<2100	0.0
Leafield	roro	orrq	or	orbc	41	40	36	2	4	09.00	0230	0.0
Andover	ofform	orrm	orrm	oco	42	42	40	1	4	09.00	<2100	0.0
S. Farnborough	oofm	rr₀r	rroo	rroo	42	42	39	1	4	13.30	<2100	0.0
London (Kew Obsy.)	ofxom	omomr	oro₀oir	oro	43	43	41	0.2	3	14.30	<2100	0.0
Croydon	ocfm	oro₀	omrr	orco	42	42 H	40	0.4	8	14.30	<2100	0.0
Clacton-on-Sea	dqmoq	oq	oqbd	oqrc	41	39	38	–	2	–	2200	0.0
Shoeburyness	f-m	p-d	oid	oid	42	39	39	0.1	1	–	<2100	0.2
Grain	o5xm	ro₀q	r₀ or₀	oo	42	40	38	0.2	1	1530	<2100	0.0
Lympne	oo	omr₀	orrm	orr	40	37	36	0.1	6	1730	<2100	0.5
Scilly (St. Mary's)	omrq	omrd	be	bcq	52	45	•	10	–	<0800	–	0.0
Falmouth (Pendennis)	coqr	comd	coobc	bc	51	45	•	9	1	<0800	<2100	0.0
Plymouth (Cattewater)	orq	orrq	orqc	cor	50	45	*	15	3	<0800	<2100	0.0
Portland Bill	r-d	r-d	fm	p	48	44	•	4	3	0900	<2100	•
Southampton (Calshot)	omr₀	oro₀dd	orrmm	oro	45	43	42	1	6	11.00	<2100	0.0
Dungeness	c	cpr	qr	qrrc	43	42	•	0.2	5	17.30	<2100	
Guernsey	omd₀	orrq	d₀d₀q	od₀d₀	46	43	•	4	4	1100	<2100	

ISALLOBARS. December 8th 1923.



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility.
3	4 0200	DIEPPE	SE	3	b	41	50	6
2	" 1003	ANGLIA	S	4	om	48	50	6
3	6 0600	BRIGHTON	SW	6	ojrs	51	50	8

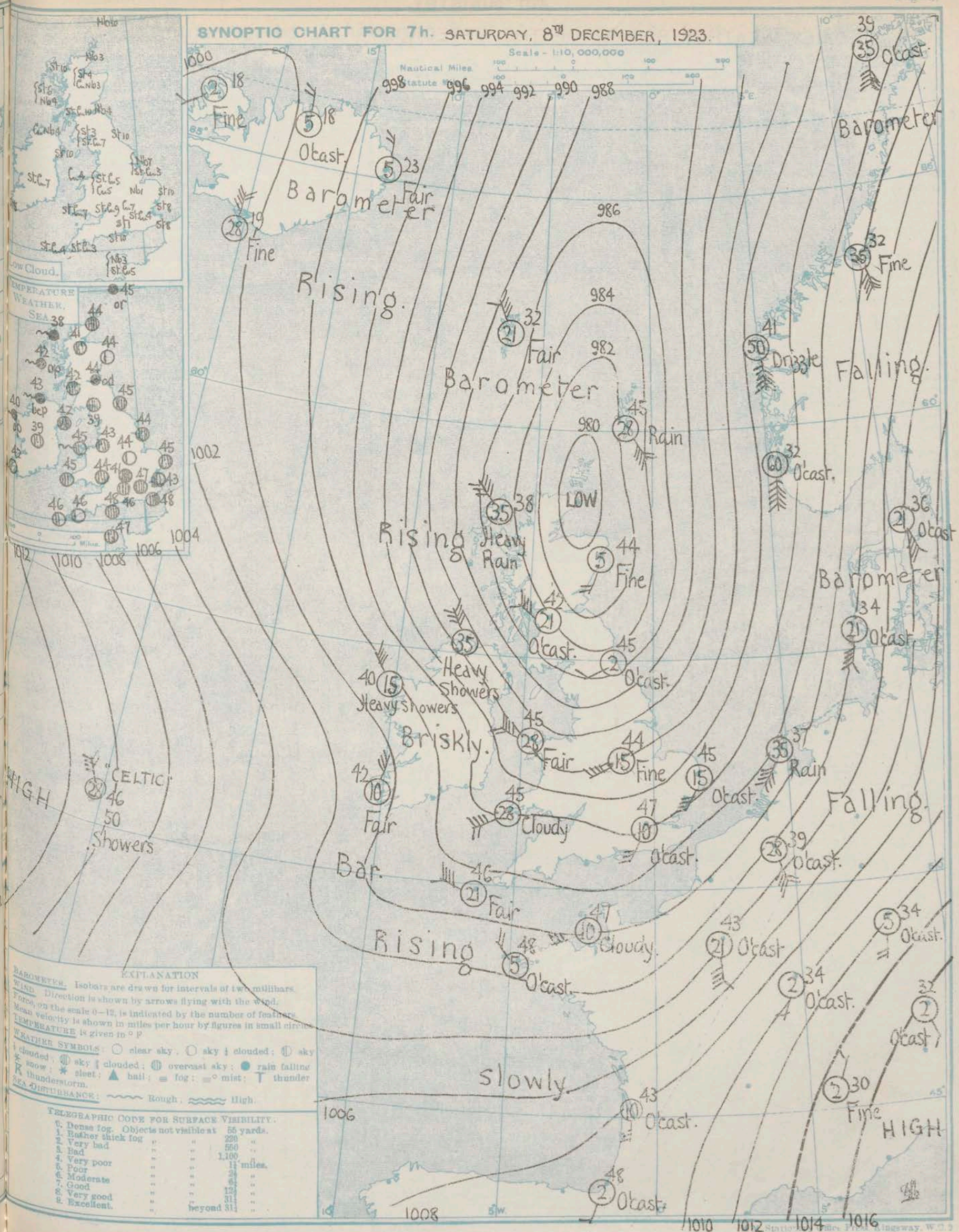
GENERAL INFERENCE.

Yesterday's depression is now centred off the Moray Firth and tending to move southeastward. Winds will be between W. and N. and temperature will fall somewhat. Apart from some showers, chiefly in the North, weather will be mainly fair.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Saturday, 8th December, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands	Wind S.W. to W., light or moderate; mainly fair; mist in places; temperature falling somewhat.	Temporarily fairer and rather cold, with night frost. ---------- South Cone still flying.
4. W. Midlands 5. S.W. England 6. South Wales	Wind W. to N.W. moderate or fresh; variable sky, local showers; visibility mainly good; rather colder.	
7. North Wales 8. N.W. England 9. N. Midlands	Wind N.W. strong at times, moderating; showery; visibility mainly good; rather colder.	
10. N.E. England 11. E. Scotland	Wind W. to N.W. moderate or fresh; showery; visibility moderate to good; rather colder.	
12. S.W. Scotland 13. Isle of Man 14. N. & N.W. Scotland 15. Hebrides	Wind N.W. to N., strong at times; showery; visibility mainly good; rather colder.	
16. Orkneys and Shetlands	Strong S.E. wind moderating and backing; some rain or sleet; rather colder.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind mainly N.W. moderate or fresh; variable sky, some showers; visibility mainly good; rather colder.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0920 GMT. G. C. SIMPSON, F.R.S., Director.

§ For Code see opposite page.



Station Office Print, Kingsway, W.C.2

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. SATURDAY, 8th DECEMBER 1923. No. 342.

Observations at 0100 G.M.T. 8th

STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10
Lerwick	54	984.8	-2	S'E	8	oR	44	92	6	4000	Nb	10	·	10
Stornoway	51	978.0	-2	SSW	6	PR	·	·	5	·	·	·	·	·
Wick	81	980.0	-4	SSW	4	0	44	92	4	1500	St	10	·	10
Castlebay	37	·	·	·	·	·	·	·	·	·	·	·	·	·
Nairn	82	·	·	·	·	·	·	·	·	·	·	·	·	·
Aberdeen	46	·	·	·	·	·	·	·	·	·	·	·	·	·
Malin Head	71	980.4	+2	NW	4	or	44	94	4	4000	Nb	10	·	10
Renfrew	38	·	·	·	·	·	·	·	·	·	·	·	·	·
Edinburgh (Inchkeith)	190	983.6	-2	S	2	o/r	43	94	8	·	-	0	A St	10
Leuchars	36	·	·	·	·	·	·	·	·	·	·	·	·	·
Eskdalemuir	794	·	·	·	·	·	·	·	·	·	·	·	·	·
Tynemouth	118	988.8	-4	SSW	2	od	43	94	6	800	Nb	10	·	10
Blacksod Point	10									·	·	·	·	
Donaghadee	35	·	·	·	·	·	·	·	·	·	·	·	·	·
Birr Castle	175	·	·	·	·	·	·	·	·	·	·	·	·	·
Holyhead	26	985.4	-4	SW'S	5	or	49	92	4	800	Nb	10	·	10
Liverpool (Bidston)	189	·	·	·	·	·	·	·	·	·	·	·	·	·
Chester (Shotwick)	16	·	·	·	·	·	·	·	·	·	·	·	·	·
Spurn Head	26	990.4	-5	S	4	o/r	41	94	6	1500	St	10	·	10
Birmingham (Edgbaston)	525	·	·	·	·	·	·	·	·	·	·	·	·	·
Nottingham	82	·	·	·	·	·	·	·	·	·	·	·	·	·
Cranwell	297	992.0	-3	S	5	o/r	43	94	6	800	Nb	10	·	10
Gorleston	15	993.3	-3	SSW	4	or	42	94	6	2500	Nb	10	·	10
Valencia (Cahirciveen)	30	996.4	+3	W	5	oPR	45	92	8	·	St	10	·	10
Roches Point	32	·	·	·	·	·	·	·	·	·	·	·	·	·
Pembroke (St. Ann's H.)	149	992.0	0	WSW	6	bc	48	85	8	2500	St Cu	6	·	6
Ross-on-Wye	223	·	·	·	·	·	·	·	·	·	·	·	·	·
Leafield	556	·	·	·	·	·	·	·	·	·	·	·	·	·
Andover	295	·	·	·	·	·	·	·	·	·	·	·	·	·
S. Farnborough	250	·	·	·	·	·	·	·	·	·	·	·	·	·
London (Kew Obsy.)	18	·	·	·	·	·	46	·	·	·	·	·	·	·
Croydon	244	996.8	-6	SSW	5	orr	46	94	6	500	Nb	10	·	10
Clacton-on-Sea	54	·	·	·	·	·	·	·	·	·	·	·	·	·
Shoeburyness	11	·	·	·	·	·	·	·	·	·	·	·	·	·
Grain	20	·	·	·	·	·	·	·	·	·	·	·	·	·
Lympne	350	999.4	-5	S'W	6	orr	45	94	6	450	Nb	10	·	10
Scilly (St. Mary's)	131	996.2	0	WSW	5	b-	49	92	8	4000	St Cu	4	·	4
Falmouth (Pendennis)	200	994.4	+1	W	6	o1	49	85	4	4000	St Cu	9	·	9
Plymouth (Cattewater)	82	·	·	·	·	·	·	·	·	·	·	·	·	·
Portland Bill	19	995.5	0	WSW	6	bf	50	92	4	4000	Cu Nb	3	·	3
Southampton (Calshot)	12	996.3	-3	SSW	6	orr	48	94	6	800	Nb	10	·	10
Dungeness	21	999.1	-6	SSW	8	orr	45	94	4	4000	Nb	10	·	10
Guernsey	—													

Observations at 0700 G.M.T. 8th

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	983.2	-1	SSE	6	or-	45	94	6	4000	Nb	10	·	10	5
Stornoway	985.9	+9	NNW	4	oR	38	85	6	450	St	10	·	10	6
Wick	979.2	0	SSW	2	o/r	44	92	8	1500	Nb	3	A St	9	1
Castlebay	989.3	+4	NW	4	opr	42	85	8	1500	St	10	-	10	6
Nairn	981.8	=	W	4	c	41	93	8	1500	St	4		4	·
Aberdeen	981.9	0	SSW	2	b+	44	94	6	2500	St Cu	2	A St	3	1
Malin Head	991.0	-4	NW'N	4	bPR	48	85	8	4000	Cu Nb	4	C Cu	5	6
Renfrew	984.4	+4	WNW	5	o/r	42	85	6	1500	St Cu	10	·	10	·
Edinburgh (Inchkeith)	981.5	-2	SW	1	od	44	92	4	·	Nb	4	A St	10	0
Leuchars	981.2	-1	-	0	0	41	94	4	2500	St	8	A St	10	·
Eskdalemuir	983.2	0	W'N	6	o/r	39	85	4	1500	St Cu	10	-	10	·
Tynemouth	984.9	-3	SW	1	o/r	45	92	4	1500	St	10	-	10	2
Blacksod Point	998.4	+6	NW	4	oPR	40	92	4	·	·	·	·	10	4
Donaghadee	990.1	+8	SW	3	0-	42	85	8	800	St	10	·	10	3
Birr Castle	990.9	·	S	1	c	39	92	4	4000	St Cu	4	·	4	·
Holyhead	993.3	+8	W'N	6	bc	43	93	8	1500	Cu	4	-	4	6
Liverpool (Bidston)	991.4	+4	WSW	6	o/r	43	92	6	2500	St Cu	10	-	10	4
Chester (Shotwick)	992.1	+5	WNW	3	opr	45	85	4	1500	St	10	-	10	
Spurn Head	990.1	-1	SW	5	0	44	92	4	2500	Nb	10	-	10	4
Birmingham (Edgbaston)	994.2	+4	SW	4	0-	44	85	8	1500	St Cu	9	-	9	·
Nottingham	992.1	+3	SW	4	b-	44	92	6	1500	Nb	1	-	1	·
Cranwell	991.9	+2	SW'W	5	c/r	46	85	6	1500	St Cu	8	-	8	·
Gorleston	993.4	0	SW'S	4	o/r	45	94	6	2500	Nb	10	-	10	4
Valencia (Cahirciveen)	1000.1	+3	N'E	3	bc	42	93	4	2500	St	5	-	5	6
Roches Point	999.0	+4	NW	3	0	40	94	8	4000	St Cu	9	-	9	0
Pembroke (St. Ann's H.)	996.6	+3	W'S	6	c	43	93	8	1500	St Cu	4	-	4	5
Ross-on-Wye	996.6	+3	SW	2	0	44	85	8	4000	St Cu	9	-	9	·
Leafield	995.2	+3	SW	2	c+	41	92	6	4000	Cu	4	-	4	
Andover	994.0	+2	WSW	3	0-	45	92	8	1500	St Cu	4	A St	10	·
S. Farnborough	996.5	+3	W	3	o/r	46	94	4	2500	St	1	A St	10	·
London (Kew Obsy.)	994.1	+3	SSW	3	0	44	92	4	2500	St Cu	4	A St	9	·
Croydon	994.1	+3	SW	4	o/c	44	92	8	1500	Nb	8	asl	10	
Clacton-on-Sea	996.1	-1	SSW	3	c	43	94	4	2500	St	8	-	8	1
Shoeburyness	996.0	0	SW	4	oo	44	85	8	1500	St	10	-	10	·
Grain	994.4	+2	SSW	4	0	44	92	4	2500	St	6	A St	9	0
Lympne	994.3	-3	WSW	4	orr	45	94	6	450	Nb	10	-	10	·
Scilly (St. Mary's)	999.3	+2	W'N	3	bc	46	85	8	4000	St Cu	4	-	4	5
Falmouth (Pendennis)	999.2	+2	W	3	3	46	85	8	5400	St Cu	3	-	3	0
Plymouth (Cattewater)	998.4	+2	NNW	3	0	48	85	4	2500	St	2	A St	10	0
Portland Bill	994.0	+4	W	3	o1	48	92	4	1500	St	10	-	10	5
Southampton (Calshot)	994.6	+2	SW'W	3	0	47	92	8	-	-	0	A St	10	0
Dungeness	998.3	+1	SW	4	c/r	48	94	4	1500	St	8	-	8	6
Guernsey	999.4	0	W'S	3	c/r	44	94	4	2500	St Cu	8	-	8	1

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 7th Dec. 1923

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 6h.-9h. °F.	Temperature. Max. Day. 9h.-6h. °F.	Rainfall.† Night 17h.-9h. 6h.-9h. mm.	Rainfall.† Day 9h.-17h. 9h.-6h. mm.	Sunshine.	Sunshine. Sunrise to Sunset. 9h.-9h. hr.
Montrose	ocm	oRmr	30	42	1	4		0.0
Berwick-on-Tweed	omr	oumr	31	39	0.1	0.4		0.0
Llandudno	od	od	35	48	1	0.3		0.0
Colwyn Bay	cp	cp	38	48	2	3		0.0
Rhyl	c	co	37	47	0.2	-		0.0
Southport	r	ro	30	43	2	3		0.0
Blackpool	or	o	30	43	2	2		0.0
Ilkley	xomg	omd	24	40	-	4		0.0
Harrogate	om	odr	29	38	-	3		0.0
Skegness	fbco	od	28	40	-	-		0.0
Aberystwyth	roc	o	36	48	0.3	-		0.0
Bath	or	or	28	46	Trace	2		0.0
Leamington Spa	o	or	27	43	-	1		0.0
Lowestoft	bfco	o	27	41	-	-		0.0
Felixstowe	bccm	om	26	41	0.4	-		0.2
Southend	co	o	32	41	0.2	-		0.0
Ilfracombe	or	or	38	50	4	11		0.0
Bude	d	d	35	52	2	1		0.0
Torquay	r	r	35	49	0.2	7		0.0
Weymouth	or	r	34	46	-	5		0.0
Bournemouth	oo	or	28	45	-	2		0.0
Portsmouth (S'thsea)	om	od	29	45	-	1		0.0
Littlehampton	bcoc	ococr	28	44	-	2		0.0
Worthing	o	od	28	45	-	1		0.0
Brighton	o	o	30	45	-	-		0.0
Eastbourne	o	oro	29	44	1	0.1		0.1
Hastings	oco	ocdoo	35	43	Trace	0.1		0.0
Folkestone	o	o	36	45	1	-		2.0
Dover	ocbcc	co	36	41	-	-		0.0
Tunbridge Wells	ofo	oofd	24	42	Trace	0.3		1.2
Ramsgate	bc	bcco	36	41	-	-		1.1
Margate	ocbc	co	30	42	0.2	-		0.0
Deal	oc	cor	34	41	-	-		

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* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. ‡ For code see page 3. § See footnote page 1

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B..22662. Sunday 9th December 1923.

Observations at 1300 G.M.T. 8th. / Observations at 1800 G.M.T. 8th.

STATIONS. (For heights see p.4).	1300 Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Low Cloud Height Feet	Low Cloud Form	Low Cloud Amt. 0-10	Upper Form.	Total Amt. 0-10	State of ground.	1800 Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Low Cloud Height Feet	Low Cloud Form	Low Cloud Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	983.6	0	NW	2	oro	44	97	6	4000	Nb	7	A.St	10	•	989.3	+6	NW	4	oro	38	92	6	4000	Nb	10	-	10	3
Stornoway	993.9	?	NNW	5	c-	37	75	8	4000	Cu	7	-	7	•	999.7	?	NNW	4	o+	33	85	7	450	St	10	-	10	3
Wick	986.2	+9	NW	6	ors	37	92	8	2500	Nb	7	A.St	10	•	994.1	+10	NNW	4	b	35	85	8	2500	CuNb	3	-	3	3
Castlebay	996.0	+4	NE	3	o+	42	65	8	1500	St	9	-	9	•	1000.6	+4	N	4	cps₀	38	75	8	1500	St	7	-	7	4
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•	997.6	•	NW'N	4	c	35	75	8	1500	St	4	A.St	7	•
Aberdeen	986.6	+6	NW	6	oro	38	92	6	1500	Nb	10	-	10	1	995.1	+9	NW	5	o/rs	36	85	8	-	-	0	A.St	9	1
Malin Head	997.0	+3	NW	5	bcph	41	85	8	4000	CuNb	4	CiCu	6	•	1001.2	+6	NNW	1	bch(r)	38	97	7	4000	Nb	5	-	5	5
Renfrew	993.9	+8	WNW	3	b	42	75	8	-	-	0	A.St	3	2	1000.6	+9	-	0	b	30	85	6	5700	StCu	2	-	2	•
Edinburgh (Inchkeith)	990.5	+7	W	4	c/r	41	75	8	•	St	5	Ci.St	7	•	998.0	+8	W	2	b-	37	75	8	•	St	8	-	8	1
Leuchars	990.0	+10	WNW	4	o/r	40	75	8	2500	StCu	1	A.St	10	2	997.5	+9	NW	3	b-	36	65	8	-	-	0	-	0	•
Eskdalemuir	993.2	+10	W'N	5	b-	39	75	7	2500	Cu	1	-	1	2	999.9	+6	W'N	2	b	29	75	8	-	-	0	-	0	•
Tynemouth	991.9	+6	W	3	bc-	44	75	7	4000	Cu	4	-	4	•	998.5	+6	W	1	b	38	85	6	1500	St	3	-	3	1
Blacksod Point	1002.2	+1	NW	5	c	41	85	8	•	•	•	•	8	•	1005.6	+2	NNW	4	c	39	85	7	•	•	•	•	10	4
Donaghadee	998.1	+4	W	3	bc-	38	92	8	450	StCu	4	ACu	5	•	1001.9	+5	SW	3	bc	36	97	8	450	St	5	-	5	3
Birr Castle	1001.9	*	W	2	c	39	85	7	4000	StCu	5	Ci	7	•	1005.2	•	W	1	bc-	35	92	6	4000	StCu	5	-	5	•
Holyhead	998.0	+4	WNW	6	c	44	75	7	2500	Cu	3	Ci.St	7	1	1001.8	+3	WNW	3	c-	43	85	7	2500	StCu	5	Ci.St	7	5
Liverpool (Bidston)	997.5	+5	W'S	4	bc	43	75	8	2500	StCu	3	Ci	5	•	1001.2	+5	W	3	c	40	92	8	2500	Cu	7	-	7	4
Chester (Shotwick)	997.7	+5	W	5	c+	47	65	7	2500	Cu	7	Ci	8	2	1001.7	+5	NW	4	b-	39	85	6	-	-	0	-	0	•
Spurn Head	995.6	+4	SSW	4	b	43	85	7	-	-	0	-	0	•	1000.3	+4	W'S	3	b	41	85	5	-	-	0	-	0	2
Birmingham (Edgbaston)	998.5	+4	W	4	cjp	45	75	8	4000	CuNb	7	-	7	2	1001.9	+5	W	3	mb	38	85	5	-	-	0	-	0	•
Nottingham														•	1001.3	+6	W	2	b	38	85	4	-	-	0	-	0	•
Cranwell	997.4	+3	W	3	b	46	75	7	4000	StCu	2	ACu	3	2	1001.0	+4	W'S	2	b	36	92	6	-	-	0	-	0	•
Gorleston	998.4	+3	WSW	1	o-	47	85	6	4000	StCu	9	-	9	"	1000.7	+2	W'S	1	b-	42	85	6	-	-	0	-	0	0
Valencia (Cahirciveen)	1004.9	+5	NNW	4	b+	44	75	9	2500	Cu	3	-	3	2	1008.8	+5	NNW	3	bc-	43	65	9	4000	StCu	5	-	5	4
Roches Point	1002.5	+3	NW	3	c	44	85	8	-	-	0	Ci	7	•	1007.4	+4	NNW	3	b	40	85	8	-	-	0	-	0	0
Pembroke (St. Ann's H.)	1000.6	+3	WNW	3	bc	45	75	8	4000	StCu	6	-	6		1004.5	+4	WNW	3	bc	42	75	8	4000	Cu	4	-	4	4
Ross-on-Wye	999.1	+2	W	2	c/r	45	75	9	4000	StCu	8	-	8	1	1002.3	+4	W'S	1	o+	41	85	8	2500	StCu	9	-	9	•
Leafield	1000.4	+1	SW	2	bc-	43	85	6	5700	CuNb	3	Ci.St	6		1001.7	+3	WNW	2	bc-	36	92	4	4000	St	3	ACu	5	•
Andover	999.8	+1	WSW	3	o-	45	85	7	-	-	0	A.St	9	1	1001.7	+3	-	0	b-	36	97	5	-	-	0	A.St	3	4
S. Farnborough	999.6	+1	W	3	o	45	85	7	-	-	0	A.St	10	2	1001.7	+3	W	1	mmb	36	97	5	-	-	0	A.St	2	•
London (Kew Obsy.)	999.6	+2	SW	2	o	47	85	6	-	-	0	A.St	10	1	1001.5	+3	-	0	b	41	92	4	-	-	0	-	0	•
Croydon	999.8	+1	WSW	3	o	46	85	6	-	-	0	A.St	10	2	1001.8	+3	WSW	1	bc-	39	97	5	4000	St	2	A.St	5	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1001.3	+3	W	1	mmc	42	92	5	-	-	0	A.St	8	0
Shoeburyness	999.2	+2	W	1	mo+	46	85	6 [5]	1500	St	8	A.St	10	•	1000.1	+6	-	0	mo+	42	97	4	1500	St	9	-	9	•
Grain	999.4	+1	SW	4	o	47	85	6	4000	St	2	A.St	10	2	1001.6	+2	-	0	o	40	92	6	-	-	0	A.St	10	0
Lympne	999.8	-1	W'N	3	o/r	45	97	7	450	St	2	A.St	10	2	1001.7	+2	NW	2	o	42	92	6	-	-	0	A.St	10	•
Scilly (St. Mary's)	1001.5	+1	NNW	4	bc	48 [47 struck out]	85	8	4000	Cu	3	CiCu	4	•	1004.9	+3	NNW	5	bc	45	85	8	4000	Cu	4	-	4	4
Falmouth (Pendennis)	1000.9	0	W	2	bc+	46	75	8	5700	StCu	5	-	5	•	1003.4	+3	N	3	o/r	41	92	7	5700	StCu	9	-	9	0
Plymouth (Cattewater)	1000.6	0	W	2	c	46	75	7	2500	StCu	2	Ci.St	8	2	1002.9	+4	WNW	2	bc-	43	85	7	2500	St	6	-	6	0
Portland Bill	999.4	+2	W	2	o	47	75	7	-	-	0	A.St	10	•	1000.6	+2	W	1	b-	45	75	7	-	-	0	ACu	3	4
Southampton (Calshot)	1000.4	+1	WSW	2	bo	46	85	7	5700	StCu	5	A.St	9	2	1001.9	+3	-	0	bc-	41	97	7	4000	StCu	4	-	4	0
Dungeness	999.6	+1	W	3	o/r	47	92	6	-	-	0	A.St	10	•	1001.1	+2	WSW	1	o	45	97	7	-	-	0	A.St	10	3
Guernsey	1000.8	-1	NWN	3	o	49	85	8	4000	Cu	1	A.St	10	•	1002.4	+2	W'N	2	o	46	85	6	-	-	0	A.St	10	1

LONDON OBSERVATIONS.	Height above M.S.L. in feet.	Weather Morning	Weather Afternoon	Weather Night	Temperature Max. °F.	Temperature Min. °F.	Min. on Grass °F.	Rainfall mm. Day	Rainfall mm. Night	Sunshine to Sunset, hrs.	Humidity 15h. G.M.T. %	Humidity 9h. G.M.T. %	Visibility 9h.
		24 HOURS ENDED 0900 G.M.T. 9th.								YESTERDAY.		TO-DAY.	
Kew } 24 hours ended 0700	18	ovrn	om bm	bm fbx	•	•	26	-	-	0.0	•	•	5
Croydon } 24 hours ended 0700	244	ofoo	omrc	bcm emx	•	•	26	hr	-	0.0	•	•	3
Greenwich (Royal Obsy.)	149	o	om	ofmx	44	33	25	-	-	0.0	82	88	3
City (Bunhill Row)	80	•	•	•	•	•	•	•	•	0.0	•	•	•
Westminster (St. James' Pk.)	27	•	•	•	49	34	30	-	-	0.0	87	86	•
Regent's Pk. (Botanic Gdns).	168	•	•	•	•	•	•	•	•	0.0	•	•	•
Camden Square	110			•						•	•		•
Kensington Palace	80	0	0	•	44	34	25	-	-	•	At 18h 92	79	•
Hampstead Observatory	450	•	•	•						0.0			•

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 1800 G.M.T. 8th.

South Kensington Max.	Time.	Min.	Time.

Kew Observatory Max.	Time.	Min.	Time.

POLE STAR RECORD at Greenwich Obsy.

Exposure from 8th 17 h. 00 m. to 9th 06 h. 45 m.

Stars.	Exposure h. m.	Record h. m.	%
Polaris	13 45	4 42	34
δ Ursae Minoris	13 45	3 58	29

CODE FOR STATE OF GROUND.
0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Stating to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.[1]

Time.	Type.	No. per 4 sec.	Stren.	Direc.
13h.	C	5	-	125°
18h.	C	5	-	180°
01h.	C, C₂	6	-	180°
07h.	C, C	6	-	150°

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.

9th & 10th December 1923.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7.53 7.54	11.45 11.46	3.38 3.37
Greenwich	7.55 7.56	11.52 11.53	3.50 3.50
Wick	8.52 8.53	12.4 12.5	3.17 3.17
Valencia	8.39 8.40	12.33 12.34	4.28 4.28

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, „ less than 200 m.
m mist, „ 1000—10000 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. r rain. s snow.
rs sleet t thunder.
u ugly, threatening sky.
v unusual visibility. w dew.
x hoar frost. y dry air.
z dust haze; the turbid atmosphere of dry weather.
h(r)="hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity.
R = heavy rain. r_o = slight rain.
rr = continuous rain.

SYMBOLS.

< = { less than (for cloud height). before (for precipitation).
⊕ = solar halo. ♁ = lunar halo.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions, thus:—oc/r = fair weather after rain; − = "decreasing"; + = "increasing."

The BEAUFORT SCALE of WIND is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers, is the speed at about 30 feet above the ground.

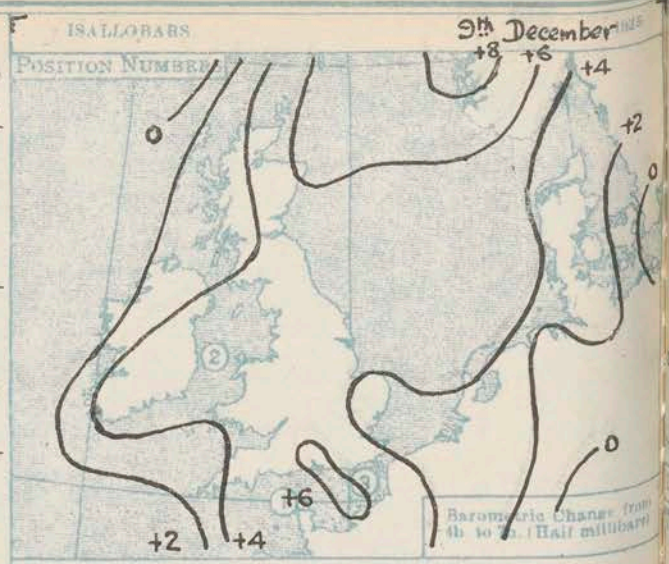
SEA DISTURBANCE.
0=no swell } Calm or slight sea.
1=mod. swell
2=heavy swell
3=no swell } Moderate sea.
4=mod. swell
5=heavy swell
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1-3
2	4-7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

[1] For explanation see Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 8th.	13h.-18h. 8th.	18h. 8th. to 1h. 9th.	1h.-7h. 9th.	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS.	RAINFALL.† Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began.	SUN. 8th. Hours.
Lerwick	omr	omd	cp	bc	46	34	.	3	1	<0800	<2100	0.0
Stornoway ...	c	c	p	cph	39	24	.	0.3	1	-	-	1.9
Wick	oirsq	oprsb	bcps	bcps	44	24	.	3	1	0900	<2100	.
Castlebay	opco	ocsp	cspbc	bchpo	42	36	.	trace	2	-	-	1.3
Nairn	cbccq	cqq	bcx	bc	41	30	.	-	-	-	-	0.0
Aberdeen	bopbirq	girrs	b	b	44	30	25	1	-	0900	-	0.0
Malin Head	prh.	ihr	irs	irsco	44	33	.	2	2	<0800	<2100	1.1
Renfrew	ocbc	bbcbx	bbx	bbx	43	25	15	-	-	-	-	3.6
Edinburgh (Inchkeith)	rro	bc	b	imo	44	32	.	5	-	<0800	-	2.0
Leuchars	orco	oqbcb	bbx	bxbx	42	25	16	2	-	<0800	-	0.9
Eskdalemuir	op.ob	b	bx	bx	40	20	14	0.2	-	<0800	-	4.4
Tynemouth	cq	bbc	bcm	bbcm	45	29	24	-	-	-	-	.
Blacksod Point ...	p	p	c	c	42	31	.	1	1	-	-	.
Donaghadee	bcph	bc	bc	bc	42	33	.	0.4	Trace	<0800	<2100	.
Birr Castle	co	cobc	bcx	co	40	30	22	-	-	-	-	2.2
Holyhead	bcc	c	cbcb	bbc	45	40	36	-	-	-	-	3.8
Liverpool (Bidston) ...	p.obc	bc	cp		45	36	31	-	2	-	2200	3.8
Chester (Shotwick) ...	obob	copiqbm	bcrr bcm	bc bmx	48	30	14	2	2	<0800	<2100	4.6
Spurn Head	c	bbc	bbc	bbx	45	34	.	-	-	-	-	4.0
Birmingham (Edgbaston)	obcc	cbc	bbccx	cpbx	47	32	24	-	-	-	-	2.0
Nottingham		bbcm	bb	bbcx	46	29	22	-	-	-	-	1.2
Cranwell	cjpbc	bbc	bmx	bmx	46	29	25	-	-	-	-	4.1
Gorleston	omoc	cbcbz	bmm	bmbcm	49	33	31	-	-	-	-	0.0
Valencia (Cahirciveen)	cphb	bccph	b	odbc	45	30	32	1	0.4	0900	<2100	3.2
Roches Point	oc	cpb	bx	b	44	35	.	0.3	Trace	1530	-	.
Pembroke (St. Ann's H.)	c	c	c	c	50	30	.	-	-	-	-	2.6
Ross-on-Wye	cbcop	c	cbcocb	bbcox	48	28	20	-	-	1230	-	2.1
Leafield	bcco	bc	bc	bcb	47	29	23	-	-	-	-	0.8
Andover	oo	ocbcm	bmbcco	cbcb	45	32	25	-	Trace	-	-	0.0
S. Farnborough ...	oo	obcmm	bm	bmx	46	29	23	-	-	-	-	0.0
London (Kew Obsy.) ...	oom	ombm	bmofom	ombmx	47	34	26	-	-	-	-	0.0
Croydon	opoo	ombc	bcom	omx	48	32	26	trace	-	<0800	-	0.0
Clacton-on-Sea ...	cogm	ogcm	cogm	ogbcm	46	34	31	-	-	-	-	0.0
Shoeburyness	oidom	f-m		bbc	48	33	29	trace	-	-	-	0.0
Grain	odo	oo	ovcom	ovxm	48	33	29	trace	-	0900	-	0.0
Lympne	orrf	om	om	om	47	34	31	8	-	<0800	-	0.0
Scilly (St. Mary's) ...	bc	bcq	bcq	bcqph	49	40	.	-	1	-	02.30	3.9
Falmouth (Pendennis)	cobc	corhc	bcpr	bcpbc	48	38	.	0.2	2	<0800	<2100	3.2
Plymouth (Cattewater)	obcc	bccor	bcor	bcp	47	38	31	0.2	1	1630	<2100	0.9
Portland Bill	c	c	bbc	bbc	48	34	.	-	-	-	-	
Southampton (Calshot)	oo	c	omp	oo	48	34	31	-	Trace	-	-	0.0
Dungeness	r-d	oo	corb	c	49	36	.	1	Trace	<0800	2400	.
Guernsey	oidom	om	opoc	c	51	42	.	0.2	0.6	0900	2400	.



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility.
1	8th 1300	REINDEER	NW	6	d	50	51	4
3	9th 02c	DILLYN	NNE	1	ofr	46	50	6

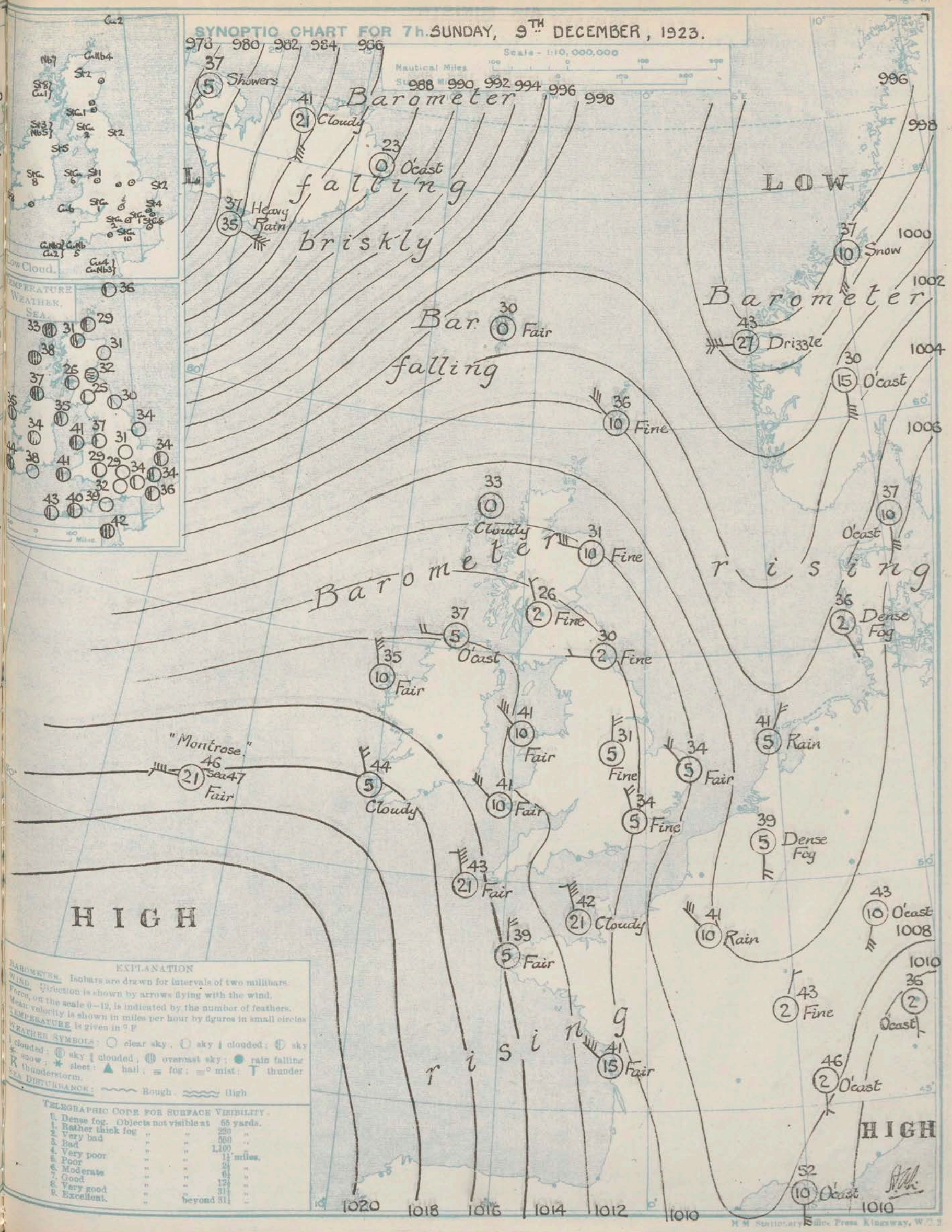
GENERAL INFERENCE.

A ridge of high pressure extending from the southwest covers the kingdom, but a depression off the southwest of Iceland is spreading east. North-westerly winds with bright, but in some places showery, weather are probable at first. In the West and North winds will back towards southwest during the day with more unsettled weather which will probably extend to eastern districts tomorrow.

Districts.	Forecasts for the 24 hours commencing 15 h. G.M.T. Sunday, 9th December, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands	Light N. to N.W. winds. Fair at first but fog and frost at night; cold.	None issued.
4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. E. Scotland	Wind becoming west to south-west and freshening. Fair at first with frost and fog locally at night, becoming cloudy later with rain probable ; rather cold, becoming milder.	
12. S.W. Scotland 13. Isle of Man 14. N.& N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands 17. N.W. Ireland 18. N.E. Ireland	Wind S.W., fresh or strong; becoming cloudy with rain or perhaps sleet at first on high land; visibility moderate; somewhat milder.	
19. S.E. Ireland 20. S.W. Ireland	As 4 to 11.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0920 G.M.T. G. C. SIMPSON, F.R.S., Director.

† For Code see opposite page.



H.M. Stationery Office Press Kingsway, W.C.2

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

Page 4. BRITISH SECTION....Sunday...9th December.....1923. No...343.

Observations at 0100 G.M.T.....9th.....

STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10
Lerwick	54	994.0	+8	NW	4	bcpr.	36	85	Y	4000	CuNb	5	-	5
Stornoway	51	1004.9	+3	NW	1	PS	•	•	6	•	•	•	•	•
Wick	81	1001.9	+6	NW	2	bcps	32	94	8	2500	CuNb	5	-	5
Castlebay	37	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	46	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	71	1006.4	+4	NNW	2	b/sh	33	92	8	4000	Nb	2	-	2
Renfrew	38	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	190	1005.5	+6	W	2	b	33	85	Y	•	-	0	-	0
Leuchars	36	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	794	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	118	1005.2 ~~1005.7~~	+6	W	1	b	33	85	Y	-	-	0	-	0
Blacksod Point ...	10	1010.4	+4	NNW	4	bc	39	92	Y	•	•	•	•	6
Donaghadee	35	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	175	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	28	1006.4	+3	NW'N	4	b	41	85	8	2500	St.Cu	3	-	3
Liverpool (Bidston) ...	189	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick) ...	16	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	26	1004.8	+4	NW	3	b	34	92	5	-	-	0	+	0
Birmingham (Edgbaston)	525	•	•	•	•	•	•	•	•	•	•	•	•	•
Nottingham	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	237	1005.9	+4	WNW	2	b	31	94	5	-	-	0	-	0
Gorleston	13	1004.8	+1	NW	2	mmb	35	94	5	-	-	0	-	0
Valencia (Cahirciveen)	30	1013.3	+5	NW'N	2	b	41	92	8					
Roches Point	32	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	149	1008.9	+3	NW	3	bc	40	95	8	2500	Cu	6	-	6
Ross-on-Wye	223	•	•	•	•	•	•	•	•	•	•	•	•	•
Leafield	556	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	295	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough ..	230	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.) ...	18	•	•	•	•	•	40	•	•	•	•	•	•	•
Croydon	244	1004.4	+2	N'W	2	0	40	85	6	1500	St	Y	A St	10
Clacton-on-Sea ...	54	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	11	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	20	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	350	1003.6	+2	N	4	0	39	92	6	800	St	10	-	10
Scilly (St. Mary's) ...	131	1009.6	+3	NNW	5	b	44	85	8	4000	Cu	2	-	2
Falmouth (Pendennis)	200	1004.4	+3	NW	3	bcpb	41	95	8	5400	CuNb	5	-	5
Plymouth (Cattewater)	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	19	1005.6	+4	NNW	2	b	40	92	4	-	-	0	-	0
Southampton (Calshot)	12	1005.5	+4	NNW	3	b/r	41	85	6	800	St	1	-	1
Dungeness ..	21	1003.2	+1	NNE	2	0r	40	94	6	-	-	0	A St	10
Guernsey	...													

Observations at 0700 G.M.T.....9th.....

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sun. 0-9
Lerwick	1004.4	+4	NW	3	b	36	85	Y	4000	Cu	2	A St	3	2
Stornoway	1007.5	+2	-	0	c/th	33	86	Y	1500	Nb	10	-	10	0
Wick	1006.3	+5	W	1	bc/ps	29	94	8	2500	CuNb	4	-	4	0
Castlebay	1009.1	+2	NE	1	o/h	38	85	8	1500	St	9	-	9	1
Nairn	1008.8	=	WNW	1	bc-	31	85	8	1500	St	2	A Cu	5	•
Aberdeen	1008.3	+6	WNW	3	b	31	92	8	-	-	0	-	0	0
Malin Head	1010.8	+3	W	2	o	34	92	8	5400	St Cu	10	-	10	5
Renfrew	1011.2	+4	NNW	1	b	26	92	9	5400	St Cu	1	-	1	•
Edinburgh (Inchkeith)	1009.3	+4	WSW	2	imb	32	85	Y	•	-	0	-	0	0
Leuchars	1009.5	+5	-	0	b	25	95	8	-	-	0	-	0	•
Eskdalemuir	1011.6	+4	-	0	b	23	95	8	5400	St Cu	2	-	2	*
Tynemouth	1010.3	+4	W	1	b	30	95	6	800	St	2	-	2	0
Blacksod Point ...	1012.3	+1	NNW	3	bc	35	94	Y	•	•	•	•	6	4
Donaghadee	1012.2	+5	WSW	2	bc+	35	92	8	450	St	5	•	5	2
Birr Castle	1013.0	•	SW	1	c+	34	94	4	4000	St Cu	8	-	8	•
Holyhead	1011.6	+5	NW'N	3	bc	41	85	8	4000	St Cu	6	-	6	3
Liverpool (Bidston) ...	1011.4	+5	WNW	1	b/r	34	95	Y	2500	St	10	-	10	2
Chester (Shotwick) ...	1011.0	+4	SE	1	b	30	94	5	-	-	0	A Cu	1	•
Spurn Head	1009.6	+5	NW	4	b	34	92	6	-	-	0	-	0	1
Birmingham (Edgbaston)	1011.4	+5	W	3	b	32	92	6	-	-	0	-	0	•
Nottingham	1011.1	+5	N	2	b	31	94	6	-	-	0	-	0	•
Cranwell	1011.2	+6	NNW	3	b	29	92	5	-	-	0	-	0	•
Gorleston	1008.4	+2	NW	2	bc+	34	85	6	4000	St	2	Ci St	5	0
Valencia (Cahirciveen)	1016.5	+5	NNW	2	c/f	44	95	Y	2500	St	8	-	8	4
Roches Point	1016.1	+5	WNW	3	b	38	92	8	-	-	0	-	0	0
Pembroke (St. Ann's H.)	1012.9	+4	NW	3	bc	41	95	8	4000	Cu	6	-	6	4
Ross-on-Wye	1011.9	+5	SSW	1	b	29	92	8	4000	St Cu	1	-	1	•
Leafield	1011.5	+5	NNE	1	b-	29	92	8	-	-	0	-	0	•
Andover	1011.2	+4	W	2	b	32	92	Y	2500	St Cu	2	-	2	•
S. Farnborough ..	~~1011.0~~	+5	NW	1	mmb	32	94	6	-	-	0	-	0	•
London (Kew Obsy.) ...	~~1010.5~~	+5	NNW	2	b	34	92	6	2500	St Cu	1	-	1	•
Croydon	1010.2	+6	W	1	o	32	94	6	800	St	8	A St	10	•
Clacton-on-Sea ...	1008.0	+4	NNW	3	bc	34	85	6	2500	St	4	-	4	0
Shoeburyness	1010.5	+4	NW	3	bc	33	89	6	-	-	0	Ci	6	•
Grain	1009.6	+4	NW	4	b-	33	92	6	-	-	0	Ci	3	0
Lympne	1008.2	+5	N	4	c	34	92	4	4000	St Cu	8	-	8	•
Scilly (St. Mary's) ...	1014.4	+2	N'W	5	bc/pb	49	85	8	4000	CuNb	4	-	4	5
Falmouth (Pendennis)	1012.8	+5	NW	3	bc-	40	95	8	5400	Cu Nb	5	-	5	0
Plymouth (Cattewater)														
Portland Bill	1010.1	+6	NNW	1	b	39	95	Y	-	-	0	-	0	1
Southampton (Calshot)	1010.4	+5	NW	3	o	35	94	Y	2500	St Cu	10	-	10	0
Dungeness ..	1009.4	+5	N	2	bc-	36	94	Y	-	-	0	A Cu	5	2
Guernsey	1012.1	+5	NNW	5	c	42	95	8	4000	Cu	4	-	4	3

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR.....8th.....

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 7th-8th. °F.	Temperature. Max. Day. 8th. °F.	Rainfall.† Night 17h.-9h. 7th-8th. mm.	Rainfall.† Day 9h.-17h. 8th. mm.	Sunshine.	Sunshine. Sunrise to Sunset. 8th. hr.
Montrose	Roc	c	40	42	3	0.3		0.0
Berwick-on-Tweed	oRrs	rsdbv	38	42	1	0.4		1.4
Llandudno	c	ccb	43	45	0.2	-		0.6
Colwyn Bay ..	cbc	c	43	45	2	-		2.0
Rhyl...	bc	c	43	46	1	-		2.5
Southport	bcdbd	bcdbc	43	45	1	-		2.7
Blackpool	o	bcc	43	44	3	-		2.4
Ilkley	bcbcb	b	39	44	2	-		4.1
Harrogate	b	b	32	44	4	-		4.9
Skegness	rbch	b	38	46	4	-		4.5
Aberystwyth ...	rc	o	44	46	3	-		0.5
Bath	roc	com	43	47	4	-		0.6
Leamington Spa	bc	bcom	37	47	-	-		5.0
Lowestoft ..	o	ocbm	40	47	2	-		0.0
Felixstowe ..	om	om	40	47	2	-		0.0
Southend	o	o	36	45	1	-		0.0

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 7th-8th. °F.	Temperature. Max. Day. 8th. °F.	Rainfall.† Night 17h.-9h. 7th-8th. mm.	Rainfall.† Day 9h.-17h. 8th. mm.	Sunshine.	Sunshine. Sunrise to Sunset. 8th. hr.
Ilfracombe	or	o	47	48	3	3		0.0
Bude	pcpbc	pbcpc	44	48	1	1		2.3
Torquay	cpcpc	bccpc	43	46	4	0.1		0.3
Weymouth	opo	obc	41	51	5	0.3		0.0
Bournemouth ...	o	o	41	46	5	-		0.0
Portsmouth (S'thsea)	om	omf	43	47	8	-		0.0
Littlehampton ...	ocm	oc	43	47	6	-		0.0
Worthing	o	o	43	47	5	-		0.0
Brighton	o	o	31	48	7	-		0.0
Eastbourne	ro	o	42	49	7	0.2		0.0
Hastings	oPRo	om	41	49	6	3		0.3
Folkestone	rcbc	bco	36	49	4	3		0.0
Dover	odrdo	o	40	49	5	2		0.0
Tunbridge Wells ...	o	o	39	48	10	-		0.0
Ramsgate	o	oro	39	49	2	1		0.0
Margate	or	o	39	50	2	0.1		0.8
Deal	ocor	rrc	38	48	11	5		

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* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. § For code see page 3. ‡ See footnote page 1

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B 27663 Monday, 10th December 1923.

Observations at 1300 G.M.T. 9th

STATIONS. (For heights see p.4).	Barom. at M.S.L. mb.	Change in 3 Hours‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility§ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	State of ground.
Lerwick	1007·1	+3	WNW	1	c jp	35	85	7	4000	St Cu	8	-	8	*
Stornoway	1006·1	-3	SW	2	o+	39	85	7	450	St	10	-	10	*
Wick	1008·2	+1	WSW	2	c	34	97	8	2500	St Cu	7	-	7	*
Castlebay	1008·6	-2	SW	4	c pr	43	85	7	1500	St	10	-	10	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1011·0	+2	WSW	2	b	35	75	7	-	-	0	-	0	3
Malin Head	1011·3	0	S	3	0	39	85	8	5700	St Cu	10	-	10	*
Renfrew	1013·0	-1	-	0	bc-	34	85	4	-	-	0	a Cu	6	1
Edinburgh (Inchkeith)	1017·2	+3	W SW	2	mo-	35	85	6	*	St Cu	3	a Cu	9	*
Leuchars	1012·0	+1	W	1	o+	34	75	8	7000	St Cu	9	-	9	3
Eskdalemuir	1014·2	+2	SSE	2	c+	32	75	8	7000	St Cu	3	a Cu	7	3
Tynemouth	1013·6	+1	W	1	b	35	85	5	-	-	0	-	0	*
Blacksod Point	1013·5	0	S'W	4	0	46	92	8	*	*	*	*	10	*
Donaghadee	1014·3	+1	WSW	2	bc	41	85	8	-	-	0	a Cu	4	*
Birr Castle	1016·6	*	SW	1	c	41	85	7	4000	Cu	5	A Cu	8	*
Holyhead	1015·3	+1	W'S	3	bc-	43	75	8	4000	Cu	5	*	5	1
Liverpool (Bidston)	1015·4	+2	W	3	bc+	38	92	7	-	-	0	Ci St	4	*
Chester (Shotwick)	1015·0	+2	-	0	fbc-	35	85	3	5700	St Cu	6	-	6	2
Spurn Head	1014·5	+3	NW'W	4	b	37	85	5	-	-	0	-	0	*
Birmingham (Edgbaston)	1015·6	+2	W	2	FFb	35	85	1	-	-	0	-	0	3
Nottingham	1015·1	+2	NNW	1	Fc+	34	85	1	-	-	0	Ci St	7	*
Cranwell	1015·6	+4	WNW	2	b	35	85	5	-	-	0	-	0	2
Gorleston	1013·4	+3	N'W	4	b-	44	65	7	-	-	0	-	0	*
Valencia (Cahirciveen)	1018·1	+1	SE'S	2	odd	46	85	6	1500	St	10	-	10	2
Roches Point	1018·2	+1	SW	2	c+	44	85	8	-	-	0	Ci Cu	8	*
Pembroke (St. Ann's H.)	1016·7	+2	N	3	bc	42	75	8	4000	Cu	5	-	5	*
Ross-on-Wye	1015·6	+2	WNW	1	b	39	75	8	-	-	0	-	0	1
Leafield														
Andover	1015·2	+5	NW	1	b	40	75	7	-	-	0	-	0	1
S. Farnborough	1014·8	+4	NW	2	mmb	39	85	6	-	-	0	-	0	2
London (Kew Obsy.)	1015·0	+3	NW	1	b	39	75	4	-	-	0	Ci St	3	1
Croydon	1014·7	+3	W'N	1	ff b	35	85	3	2500	St Cu	2	-	2	2
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1013·7	+4	N'W	4	b	41	75	7	-	-	0	-	0	*
Grain	1014·2	+4	NNW	4	b-	41	75	6	-	-	0	-	0	2
Lympne	1013·2	+3	N	4	b	39	85	5	-	-	0	-	0	2
Scilly (St. Mary's)	1018·3	+2	NW	4	bc	45	75	8	4000	Cu	4	-	4	*
Falmouth (Pendennis)	1017·1	+2	N	4	bc+	45	65	8	5700	St Cu	5	-	5	*
Plymouth (Cattewater)	1016·9	+3	WNW	1	b-	43	75	7	1500	St	3	-	3	1
Portland Bill	1014·4	+4	NNW	1	b	43	65	7	-	-	0	-	0	*
Southampton (Calshot)	1015·3	+3	NW	3	b	40	85	6	-	-	0	-	0	0
Dungeness	1012·8	+4	N	2	b-	40	92	6	-	-	0	-	0	*
Guernsey	1015·7	+5	N'W	5	bc	44	75	8	4000	Cu	6	-	6	*

Observations at 1800 G.M.T. 9th

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility§ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	¶
Lerwick	1006·1	-2	SW	2	0	40	85	7	-	-	0	a St	10	1
Stornoway	1001·4	-5	SW	7	0 rr	43	92	6	450	St	10	-	10	5
Wick	1006·0	-3	SW	3	0 rr	36	97	8	1500	St	3	a St	10	0
Castlebay	1004·6	-4	WSW	5	0 rr	48	97	7	800	Nb	10	-	10	6
Nairn	1007·4	*	-	0	C+	38	85	8	1500	Cu	8	-	8	*
Aberdeen	1010·4	-1	SW	3	0	35	85	7	-	-	0	a St	10	0
Malin Head	1008·9	-2	S	4	0 rr	42	97	7	4000	Nb	10	-	10	4
Renfrew	1012·3	-1	S	2	0 r	37	92	4	2500	Nb	10	-	10	*
Edinburgh (Inchkeith)	1011·3	-1	SW	2	b/f	38	85	8	*	St	2	-	2	0
Leuchars	1011·6	0	W	3	b-	35	85	7	-	-	0	a St	3	*
Eskdalemuir	1014·5	0	SSE	2	0+	31	92	6	1500	St	9	-	9	*
Tynemouth	1014·9	+2	W	1	fb-	33	85	3	-	-	0	-	0	0
Blacksod Point	1012·1	0	W'N	5	0	48	92	7	*	*	*	*	10	6
Donaghadee	1014·4	0	SW	3	0+	39	92	8	-	-	0	a St	10	0
Birr Castle	1015·8	*	SW	1	0+	41	97	6	2500	Nb	10	-	10	*
Holyhead	1017·1	+1	SW'S	3	bc	42	75	7	4000	St	4	-	4	1
Liverpool (Bidston)	1017·4	+2	SW	3	bc	36	85	8	2500	Cu	4	a Cu	6	3
Chester (Shotwick)	1017·4	+3	W	2	ffb	35	85	3	-	-	0	-	0	*
Spurn Head	1017·1	+4	SW	2	b	35	85	5	-	-	0	-	0	2
Birmingham (Edgbaston)	1018·6	+3	W	2	mmb	33	85	5	-	-	0	-	0	*
Nottingham	1017·9	+4	NNW	2	b	31	97	4	-	-	0	-	0	*
Cranwell	1018·2	+4	WSW	2	b	30	85	5	-	-	0	-	0	*
Gorleston	1017·7	+1	NW	2	b-	35	92	7	-	-	0	-	0	0
Valencia (Cahirciveen)	1018·3	0	SW'S	3	0	48	85	7	1500	St	4	a St	10	4
Roches Point	1018·4	+1	SW	1	0 rr	45	92	8	4000	Nb	10	-	10	0
Pembroke (St. Ann's H.)	1019·2	+3	N	2	bc	43	75	8	4000	St Cu	5	-	5	3
Ross-on-Wye	1019·0	+5	S	1	b	31	85	8	-	-	0	-	0	*
Leafield	1019·1	+5	WNW	2	b	29	92	4	-	-	0	-	0	*
Andover	1019·5	+5	-	0	b	30	97	6	-	-	0	-	0	*
S. Farnborough	1019·4	+6	WNW	1	mmb	29	92	5	-	-	0	-	0	*
London (Kew Obsy.)	1019·4	+5	-	0	b	31	92	4	-	-	0	-	0	*
Croydon	1019·1	+5	W	1	b	32	85	4	-	-	0	-	0	*
Clacton-on-Sea	1017·8	+5	NNW	3	b	34	85	6	2500	St	2	-	2	0
Shoeburyness	1019·1	+6	WNW	1	b	33	85	8	-	-	0	-	0	*
Grain	1019·0	+6	NW	3	b	32	85	6	-	-	0	-	0	0
Lympne	1018·1	+7	N	3	b	33	92	6	-	-	0	-	0	*
Scilly (St. Mary's)	1020·9	+3	NWW	3	bc	45	85	8	4000	Cu	4	-	4	3
Falmouth (Pendennis)	1019·7	+3	N	1	bc pr	42	75	8	5700	Cu Nb	5	-	5	0
Plymouth (Cattewater)	1020·0	+5	-	0	b-	41	75	8	2500	St	1	-	1	0
Portland Bill	1018·4	+6	-	0	b	38	75	7	-	-	0	-	0	1
Southampton (Calshot)	1019·6	+6	WNW	2	b	33	92	6	-	-	0	-	0	0
Dungeness	1017·8	+6	N	2	b	33	97	6	-	-	0	-	0	2
Guernsey	1019·5	+5	N	4	b	42	75	7	4000	Cu	3	-	3	0

LONDON OBSERVATIONS.

	Height above M.S.L. in feet.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Temperature. Max. °F.	Temperature. Min. °F.	Min. on Grass. °F.	Rainfall. mm. Day.	Rainfall. mm. Night.	Sunshine to Sunset, hrs. Yesterday.	Humidity. 15h. G.M.T. % To-day.	Humidity. 9h. G.M.T. % To-day.	Visibility 9h.
		24 Hours ended 0900 G.M.T. 10th											
Kew (24 hours ended 0700)	18	bmsbm	bmbmx	bfxbmx	*	*	18	-	-	4·9	*	*	5
Croydon (24 hours ended 0700)	244	obmf	bcfbx	bmx	*	*	18	-	-	0·0	*	*	5
Greenwich (Royal Obsy.)	149	bm	bbcbm	bmxo	39	25	18	-	-	2·6	72	82	3
City (Bunhill Row)	80	*	*	*	*	*	*	*	*	0·0	*	*	*
Westminster (St. James' Pk.)	27	*	*	*	40	23	21	-	-	0·2	63	75	*
Regent's Pk. (Botanic Gdns.)	168	*	*	*	*	*	*	*	*	4·7	*	*	*
Camden Square	110	bcx	cf	*	40	29	24	-	-	*	*	82	*
Kensington Palace	80	bbc	bcc	*	40	29	17	-	-	*	(At 18h 30) 72	*	*
Hampstead Observatory	450	*	*	*	37	28	13	-	Tr	5·3	*	87	*

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 1600 G.M.T.

South Kensington Max.	Time.	Min.	Time.

Kew Observatory Max.	Time.	Min.	Time.

POLE STAR RECORD at Greenwich Obsy.

Exposure from 9th 17h. 00m. to 10th 06h. 45m.

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	13·45	7·48	57
δ Ursae Minoris	13·45	3·15	24

CODE FOR STATE OF GROUND.

0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain, or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.[1]

Time.	Type.	No. per 4 sec.	Stren.	Direc. °
13h	C	5	-	160
18h	C	5	-	140
01h	C_1C_2	6	-	110
07h	C_1C_2	6	-	120

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.

10th–11th December, 1923.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7·54	11·46	3·37
	7·56	11·46	3·37
Greenwich	7·56	11·53	3·50
	7·57	11·53	3·49
Wick	8·53	12·5	3·17
	8·54	12·5	3·16
Valencia	8·40	12·34	4·28
	8·41	12·34	4·27

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, " less than 200 m.
m mist, " 1000—10000 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. r rain. s snow.
rs sleet t thunder.
u ugly, threatening sky.
v unusual visibility. w dew.
x hoar frost. y dry air.
z dust haze; the turbid atmosphere of dry weather.
h(r)="hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity.
R = heavy rain. r_0 = slight rain.
rr = continuous rain.

SYMBOLS.

< = { less than (for cloud height). / { before (for precipitation).
⊕ = solar halo. ☾ = lunar halo.

With present weather is combined whenever possible, the general character of the weather.

A "solidus" divides actual existing weather from preceding conditions, thus:—bc/r = fair weather after rain; - = "decreasing"; + = "increasing."

SEA DISTURBANCE.

0=no swell } Calm or slight sea.
1=mod. swell
2=heavy swell
3=no swell } Moderate sea.
4=mod. swell
5=heavy swell
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

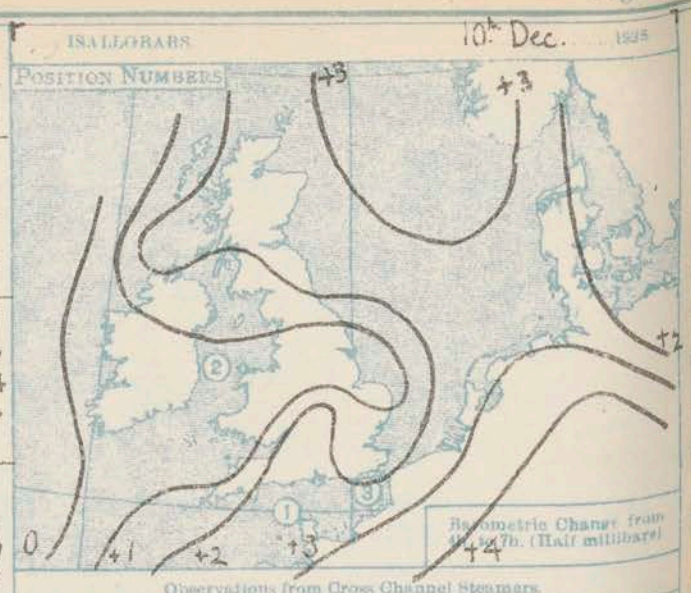
The BEAUFORT SCALE of WIND is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers, is the speed at about 30 feet above the ground.

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1- 3
2	4- 7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

[1] For explanation see Introduction.
* Information for these columns not usually received.
‡ The barometric change is expressed in half millibars.
§ For code see page 3

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 9th	WEATHER. 13h.-18h. 9th	WEATHER. 18h. 9th to 1h. 10th	WEATHER. 1h.-7h. 10th	TEMPERATURE. MAX. Day. 7h.-18h.	TEMPERATURE. MIN. Night. 18h.-7h.	TEMPERATURE. MIN. on GRASS.	RAINFALL.† Day. 7h.-18h. mm.	RAINFALL.† Night. 18h.-7h. mm.	RAINFALL.† Precipitation began.	RAINFALL.† Precipitation began.	SUN. 9th Hours.
Lerwick	cpsh	p	omrq	omd	40	39	•	0·1	2	<0800	<2100	2·2
Stornoway	co	↑↑	r-d	opr	43	43	•	4	9	1530	–	0·0
Wick	bcPS	o↑v	orr	oo	36	36	•	2	5	<0800	<2100	•
Castlebay	op	op↑↑	rrr	rordd	48	47	•	1	3	1330	<2100	0·0
Nairn	bbcq	cq	lro	cq	39	37	•	–	1	–	<2100	1·1
Aberdeen	b	c	oorr	orb	36	35	33	–	6	–	<2100	4·8
Malin Head	c	co↑↑	rrDD	orr	42	41	•	1	8	1430	<2100	0·6
Renfrew	bofbcm	bcod	orr	orr	38	37	35	Trace	2	1630	<2100	0·1
Edinburgh (Inchkeith)	imo	mbc	ir	oo	38	37	•	–	0·2	–	<2100	2·7
Leuchars	bxbxbcc	oocbcb	borr	oo	35	35	32	–	2	–	<2100	3·4
Eskdalemuir	bb	cox	oor	orofc	33	30	29	–	6	–	<2100	5·2
Tynemouth	b·bcm	bff	ffidom	ror	38	32	28	–	1	–	2400	•
Blacksod Point	oo	f-m	f-m	f-m	47	44	•	–	1	–	–	•
Donaghadee	bc	o	od	od	43	39	•	–	2	–	<2100	•
Birr Castle	co	co	co	co	41	41	40	–	–	–	–	2·7
Holyhead	pr.bc	bcbbc	bccoir	oo	44	41	38	Trace	0·4	0900	<2100	3·7
Liverpool (Bidston)	bc	bbc		co	45	36	29	–	–	–	–	4·9
Chester (Shotwick)	bmbffb cf	bcfbbf	bfbcom	ocom	38	34	23	–	–	–	–	3·6
Spurn Head	bb	b-bc	f-m	bmfc	33	33	•	–	–	–	–	6·0
Birmingham (Edgbaston)	bfFx	bff	bmbcx	bcc	37	31	27	–	–	–	–	0·0
Nottingham	xm	b-bcfmx	bfx	m	37	28	21	–	–	–	–	0·0
Cranwell	bmx	bm	bx	bxbcc	39	30	24	–	–	–	–	4·3
Gorleston	bcmb	bbccb	bmx	bmxc	44	29	24	–	–	–	–	5·5
Valencia (Cahirciveen)	co	op.co	o	o	48	48	44	0·4	–	1230	–	0·8
Roches Point	bbcc	cor.	roc	co	45	44	•	0·3	0·1	1630	<2100	•
Pembroke (St. Ann's H.)	c	b-bc	c	opd	44	43	•	–	0·3	–	0430	5·8
Ross-on-Wye	xbb	bv	bmxcm	oco	42	29	21	–	Trace	–	–	7·2
Leafield	b	b	bco	bcx	37	27	17	–	–	–	–	6·4
Andover	b	bbm	bmx	bccom	40	22	15	–	–	–	–	6·3
S. Farnborough	xbm	bmx	bxbcf	com	40	19	15	–	–	–	–	5·4
London (Kew Obsy.)	bmibm	bmbmx	bfxbfx	bfxbmx	40	25	18	–	–	–	–	4·9
Croydon	obmf	bcfbx	bmx	bmox	35	25	18	–	–	–	–	0·0
Clacton-on-Sea	bcbm	bm	bmx	bbccm	42	29	23	–	–	–	–	6·1
Shoeburyness	bm	b-bc	b	bmx	41	23	14	–	–	–	–	5·6
Grain	bbxm	bzxm	bbxm	boxm	41	24	16	–	Trace	–	–	5·3
Lympne	cbm	bm	bm	bx	40	26	14	–	Trace	–	–	5·7
Scilly (St. Mary's)	bcq	bcp.	bc	c	47	44	•	0·1	–	1530	–	2·4
Falmouth (Pendennis)	bc	bcp	bc	bcco	45	40	•	Trace	Trace	1730	0130	3·6
Plymouth (Cattewater)	bm	b	bbx	bxob	44	32	•	Trace	1	–	0530	6·7
Portland Bill	b-bc	b-bc	b-bc	b-bc	43	37	•	–	–	–	–	•
Southampton (Calshot)	obcbm	bm	bm	f	41	29	22	–	0·1	–	–	6·5
Dungeness	b-bc	b-bc	bxm	xmffo	45	26	•	–	–	–	–	•
Guernsey	cbcc	ccbcb	bbcb	bbcco	46	40	•	–	–	–	–	•



Observations from Cross Channel Steamers.

Position	Date and Time.	Steamships.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea	Visibility
2	3rd 1000	"Scotia"	NNW	4	bv	41	49	9
3	3rd 0100	"Brighton"	NNW	2	0	40	50	6

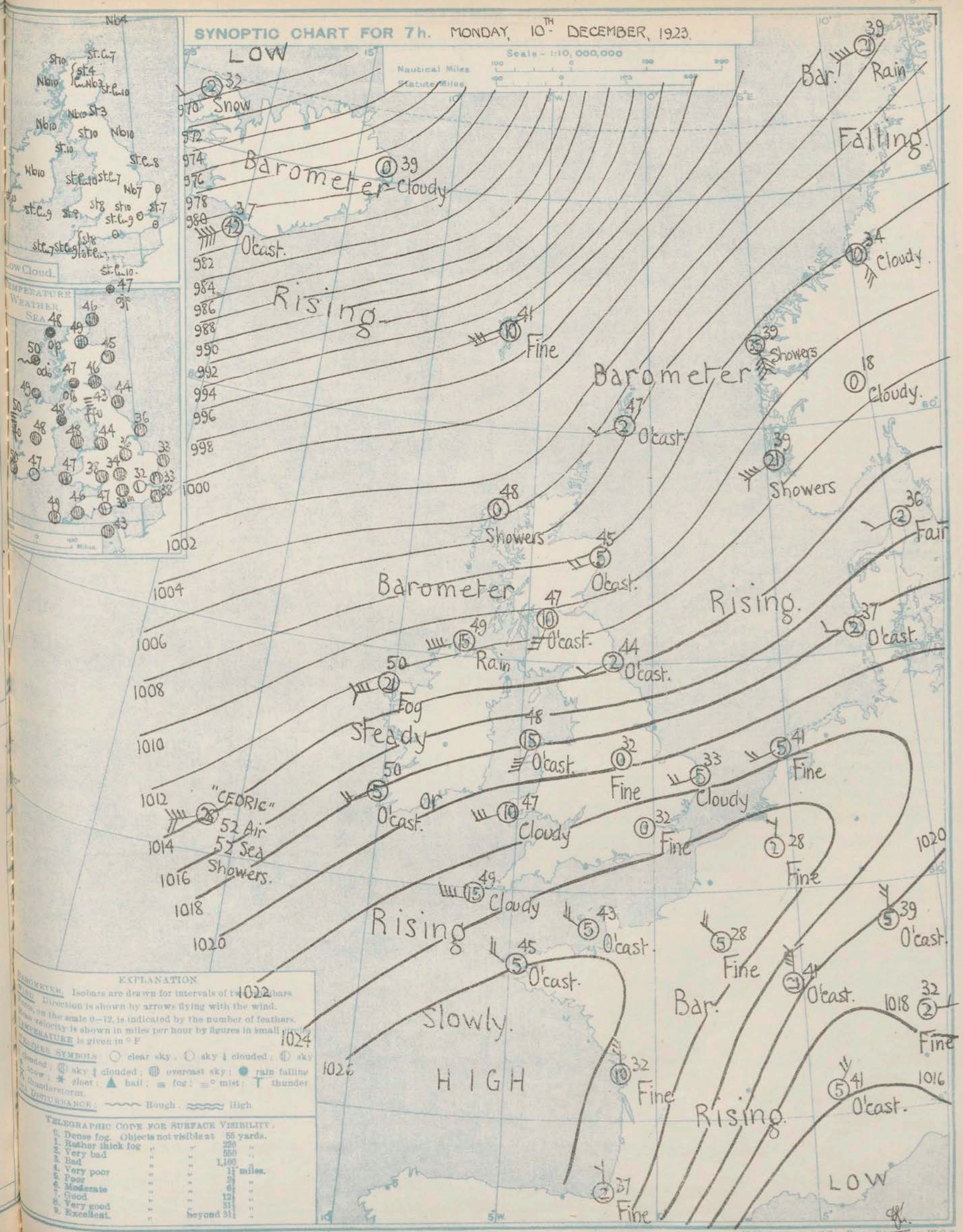
GENERAL INFERENCE.

Pressure is lowest beyond Iceland and high from the Bay of Biscay to the Azores, and conditions are favourable for the approach of secondary depressions from the Atlantic. Winds will be southwesterly, mainly moderate or fresh today with local drizzle, stronger tomorrow with some rain. Temperature will rise in the South, and continue moderate in the North.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Monday, 10th December, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales	Wind southwesterly, light or moderate, increasing to fresh or strong; fair to cloudy, local drizzle today, probably rain tomorrow; visibility poor at times; becoming rather mild.	Unsettled in the North; none issued for the South.
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands 17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind southwesterly, moderate, fresh locally, stronger tomorrow; a good deal of cloud, local drizzle today, rain probable tomorrow; visibility poor at times; moderate temperature or rather mild.	South Cone hoisted 1600 G.M.T. 9/12/23.

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0910 G.M.T. G. C. SIMPSON, F.R.S., Director.

§ For Code see opposite page.



H.M. Stationery Office Press, Kingsway, W.C.2

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION..Monday., 10th December.....1923. No. 344..

Observations at 0100 G.M.T. 10th

STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10
Lerwick	54	1001·6	−2	S	6	orr	43	97	6	4000	Nb	10	–	10
Stornoway	51	1001·4	0	SW	4	or	*	*	4	*	*	*	*	*
Wick	81	1001·6	−1	SW	6	o/r	42	97	8	1500	St	10	–	10
Castlebay	37	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	82	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	46	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	71	1008·9	+1	SW	4	oDD	48	97	7	1500	Nb	10	–	10
Renfrew	38	*	*	*	*	*	*	*	*	*	*	*	*	*
Edinburgh (Inchkeith)	190	1008·6	−2	WSW	4	o/r	43	92	9	*	CuNb	6	CiSt	10
Leuchars	36	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	794	*	*	*	*	*	*	*	*	1000'	*	*	*	*
Tynemouth	118	1013·9	−1	W	2	odd	38	92	6	~~150~~	St	10	–	10
Blacksod Point	16	1012·3	0	W	5	of	49	92	3	*	*	*	*	10
Donaghadee	35	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	175	*	*	*	*	*	*	*	*	*	*	*	*	*
Holyhead	26	1016·6	0	SW'S	4	or	47	92	8	1500	St	10	–	10
Liverpool (Bidston)	189	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Shotwick)	16	*	*	*	*	*	*	*	*	*	*	*	*	*
Spurn Head	26	1018·4	+1	SW	3	mmo	35	85	4	2500	St	10	–	10
Birmingham (Edgbaston)	525	*	*	*	*	*	*	*	*	*	*	*	*	*
Nottingham	82	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	237	1019·7	+1	SW'W	3	b+	31	92	6	–	–	0	CiSt	2
Gorleston	13	1020·7	+1	W'S	1	b	30	85	5	–	–	0	–	0
Valencia (Cahirciveen)	30	1018·6	+1	SW	4	o/r	50	92	6	–	St	10	–	10
Roches Point	32	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	149	1019·9	0	SW	3	o	48	92	8	2500	St	10	–	10
Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*
Leafield	556	*	*	*	*	*	*	*	*	*	*	*	*	*
Andover	295	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough	230	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.)	18	*	*	*	*	*	*	*	*	*	*	*	*	*
Croydon	244	~~1012·1~~ 1022·2	+1	S'W	1	b	25	97	5	–	–	0	–	0
Clacton-on-Sea	54	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	20	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	350	1021·8	+2	NW	1	ffb	28	85	3	–	–	0	–	0
Scilly (St. Mary's)	131	1022·3	+1	W	3	C+	47	97	8	4000	SrCu	7	–	7
Falmouth (Pendennis)	200	1021·5	0	WNW	2	bc+	41	75	8	5700	SrCu	4	–	4
Plymouth (Cattewater)	82	*	*	*	*	*	*	*	*	*	*	*	*	*
Portland Bill	19	1021·2	+2	NNW	1	b	42	75	7	–	–	0	–	0
Southampton (Calshot)	12	1022·5	+1	NW	1	ffb	32	97	1	–	–	0	–	0
Dungeness	21	1021·8	+3	N	2	mmo	30	97	6	–	–	0	–	0
Guernsey														

Observations at 0700 G.M.T. 10th

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sun. 0-9
Lerwick	1005·4	+3	WSW	1	o/p	47	97	6	4000	Nb	4	ASt	10	0
Stornoway	1003·2	+1	–	0	oprr	48	97	6	450	St	10	–	10	0
Wick	1004·2	+3	SW	2	o	46	92	8	5700	StCu	7	CiSt	10	0
Castlebay	1006·3	+1	WSW	5	odd	50	97	6	800	Nb	10	–	10	6
Nairn	1005·7	*	W	1	c	49	85	8	1500	St	7	–	7	*
Aberdeen	1007·9	+2	SW	2	o	45	92	6	2500	StCu	10	–	10	0
Malin Head	1010·3	+2	SW'W	4	orro	49	97	7	4000	Nb	10	–	10	4
Renfrew	1011·1	+2	SSW	3	orro	47	97	5	1500	Nb	10	–	10	*
Edinburgh (Inchkeith)	1009·2	+2	WSW	3	ov	46	92	9	*	St	3	ASt	10	1
Leuchars	1009·0	+1	SW	4	o	46	97	7	–	–	0	ASt	10	*
Eskdalemuir	1013·1	+1	SSW	4	ffo	43	97	2	<150	St	10	–	10	*
Tynemouth	1013·9	+2	SW	1	o/r	44	97	6	800	Nb	10	–	10	0
Blacksod Point	1012·7	0	WSW	5	ifo	50	92	3	*	*	*	*	10	5
Donaghadee	1013·6	+2	WSW	3	odo	48	92	8	800	St	10	–	10	3
Birr Castle	1018·1	*	SW	2	o	48	92	4	1500	Nb	10	–	10	*
Holyhead	1017·7	+1	SW'S	4	o	48	92	8	2500	StCu	10	–	10	0
Liverpool (Bidston)	1017·7	0	SSW	3	o+	44	92	7	2500	StCu	7	CiCu	9	3
Chester (Shotwick)	1017·8	+1	SSW	3	o+	41	92	4	4000	StCu	9	–	9	
Spurn Head	1018·4	0	SW	4	c	36	97	6	4000	StCu	8	–	8	4
Birmingham (Edgbaston)	1020·7	+1	S	4	c+	35	92	6	2500	StCu	5	CiCu	8	*
Nottingham	1019·7	0	WSW	2	c+	36	92	5	2500	Nb	7	CiSt	8	*
Cranwell	1019·9	0	SW	3	c+	36	92	6	4000	St	5	ACu	8	*
Gorleston	1021·0	0	SW'W	2	c+	33	85	6	–	–	0	ASt	7	0
Valencia (Cahirciveen)	1018·9	0	SW'S	2	o	50	85	7	1500	St	10	–	10	4
Roches Point	1019·6	0	WSW	1	o	47	97	8	4000	StCu	10	–	10	0
Pembroke (St. Ann's H.)	1020·0	0	WSW	3	c	47	97	8	1500	St	8	–	8	3
Ross-on-Wye	1020·9	0	SW'W	2	o	38	92	6	2500	St	8	ACu	9	*
Leafield	1021·8	+2	WNW	2	o+	34	85	6	2500	St	10	–	10	
Andover	1023·3	+1	–	0	o	29	97	5	2500	St	10	–	10	*
S. Farnborough	1022·9	+2	SW	2	mmo	33	97	6	1500	StCu	9	–	9	*
London (Kew Obsy.)	1023·5	+1	–	0	b	32	92	4	–	–	0	ASt	3	*
Croydon	1022·9	+1	SSW	3	o	33	85	6	4000	StCu	2	ASt	10	
Clacton-on-Sea	1022·3	+1	W	2	c+	33	85	6	2500	St	7	–	7	0
Shoeburyness	1023·3	+1	W	1	mb-	34	75	5	–	–	0	Ci	1	*
Grain	1023·2	+2	SW	3	o+	34	85	6	–	–	0	CiSt	10	0
Lympne	1023·5	+3	W	3	o	32	75	6	–	–	0	ACu	9	*
Scilly (St. Mary's)	1022·8	+1	W	4	c	49	97	8	4000	StCu	7	–	7	4
Falmouth (Pendennis)	1023·4	+2	WNW	2	o/r	46	97	8	5700	StCu	9	–	9	0
Plymouth (Cattewater)	1023·0	0	NE	1	o/r	38	97	7	2500	St	10	–	10	1
Portland Bill	1022·9	+2	W	2	bc+	47	75	8	–	–	0	ACu	6	1
Southampton (Calshot)	1023·8	+2	E'S	1	ffc	36	97	3	7200	StCu	2	ASt	8	0
Dungeness	1023·7	+2	W	2	o/f	38	65	6	–	–	0	ASt	10	2
Guernsey	1024·8	+2	WNW	2	o	43	75	7	4000	StCu	10	–	10	0

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 9th December

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 8th-9th °F.	Temperature. Max. Day. 9th °F.	Rainfall.† Night 17h.-9h. 8th-9th mm.	Rainfall.† Day 9h.-17h. 9th mm.	Sunshine.	Sunshine. Sunrise to Sunset. 9th hr.
Montrose	xbbc	cm	28	37	–	–		4·9
Berwick-on-Tweed	cbmx	bbcz	27	39	–	–		5·6
Llandudno	roc	cbc	33	43	7	1		1·9
Colwyn Bay	c	c	33	40	3	–		3·2
Rhyl	cb	cc	30	43	2	–		3·0
Southport	xfocbc	cphcx	28	35	0·1	0·2		0·7
Blackpool	mc	in	29	41	–	–		2·2
Ilkley	xbbdc	bbcm	24	38	–	–		2·0
Harrogate	b	b	27	39	–	–		5·5
Skegness	xb	bm	30	40	–	–		6·5
Aberystwyth	oc	c	35	44	–	–		4·0
Bath	mb	bm	30	41	–	–		5·2
Leamington Spa	oc	cm	28	40	–	–		3·1
Lowestoft	b	b	35	42	–	–		6·0
Felixstowe	bm	bm	32	42	–	–		6·2
Southend	mcbc	bcm	31	43	–	–		4·5
Ilfracombe	cbc	bc	43	44	–	–		3·0
Bude	ccbc	bcbbc	38	48	3	–		5·0
Torquay	b	b	33	48	–	–		5·6
Weymouth	b	bm	34	44	–	–		6·8
Bournemouth	b	b	33	41	–	–		6·8
Portsmouth (S'thsea)	b	b	34	41	–	–		6·6
Littlehampton	bcm	bcm	34	41	–	–		6·4
Worthing	p	b	34	40	–	–		6·0
Brighton	b	b	30	44	–	–		5·5
Eastbourne	b	b	35	41	–	–		5·8
Hastings	bmb	bm	35	41	Trace	–		6·5
Folkestone	b	b	34	49	–	–		5·2
Dover	bcmb	mbm	35	42	0·2	–		5·2
Tunbridge Wells	bm	bm	32	40	–	–		3·1
Ramsgate	bcb	bm	37	48	–	–		5·4
Margate	bc	b	37	48	–	–		5·5
Deal	b	b	34	42	–	–		4·4

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* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. § For code see page 3. ‡ See footnote page 1

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.22,664 Tuesday, 11th December 1923.

Observations at 1300 G.M.T. 10th

STATIONS. (For heights see p.4).	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	State of ground.
Lerwick	1007.5	+2	SW	1	od₀+	47	97	6	4000	Nb	6	ASt	10	•
Stornoway	1005.9	+2	SW	3	od₀	50	92	6	450	St	10	–	10	•
Wick	1006.7	+3	SW	2	o	47	92	9	4000	StCu	8	ASt	10	•
Castlebay	1008.5	+1	WSW	4	oDD	49	97	6	450	Nb	10	–	10	•
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1010.6	+2	SW	1	om+	45	97	4	4000	StCu	9	–	9	2
Malin Head	1012.3	+1	SW'W	3	oD	49	97	6	4000	Nb	10	–	10	•
Renfrew	1013.5	+2	SW	4	or₀r₀	49	97	5	800	Nb	10	–	10	2
Edinburgh (Inchkeith)	1012.3	+2	WSW	4	o	48	92	7	•	Cu	9	–	9	•
Leuchars	1014.3	+2	SW	4	o/r	49	85	7	800	St	10	–	10	2
Eskdalemuir	1014.9	+1	SW	5	od₀d₀	45	97	4	4150	Nb	10	–	10	2
Tynemouth	1015.2	+1	SW	1	or₀r₀	46	97	5	800	Nb	10	–	10	•
Blacksod Point	1014.4	+1	SW	5	o	50	92	7	•	•	•	•	10	•
Donaghadee	1016.2	0	SSW	2	o/p	49	92	8	800	St	10	–	10	•
Birr Castle	1018.1	*	SW	2	o–	50	92	7	4000	Nb	9	–	9	•
Holyhead	1019.7	+2	SW	5	o	49	92	8	5700	St	8	ASt	10	0
Liverpool (Bidston)	1018.6	–1	SW	2	o	49	85	6	2500	St	10	–	10	•
Chester (Shotwick)	1019.0	+0	SW	4	o	50	85	6	4000	St	5	ASt	10	2
Spurn Head	1019.2	–1	WSW	3	c	40	92	7	–	–	0	ACu	7	•
Birmingham (Edgbaston)	1021.5	–1	S	3	om	41	92	5	2500	CuNb	10	–	10	2
Nottingham	1020.1	0	WSW	4	o	42	92	5	–	–	0	CiSt	9	•
Cranwell	1020.3	–0	SW	3	o	42	92	6	4000	StCu	3	CiSt	9	2
Gorleston	1022.1	–0	SW	3	c	39	85	5	2500	St	3	ACu	8	•
Valencia (Cahirciveen)	1020.1	0	SW	4	opr₀	51	85	7	800	St	7	ASt	10	2
Roches Point	1020.5	0	SW	3	o	50	92	8	1500	StCu	10	–	10	•
Pembroke (St. Ann's H.)	1021.1	0	WSW	4	opd	49	92	7	1500	St	10	–	10	•
Ross-on-Wye	1021.1	–0	SSW	1	omm	45	92	6	1500	St	10	–	10	1
Leafield	1021.8	–1	SSW	3	o–	41	97	8	7200	StCu	2	ASt	9	*
Andover	1023.0	–1	SW'W	3	o/r	43	97	6	1500	St	10	–	10	1
S. Farnborough	1023.6	–0	SW'W	4	omm	45	85	6	1500	StCu	6	Ci	9	1
London (Kew Obsy.)	1023.4	–2	SSW	2	o	43	85	5	–	–	0	ASt	10	1
Croydon	1023.7	–1	SW'S	3	o	41	85	6	1500	StCu	10	–	10	2
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1023.8	–1	SW	2	opr₀	42	75	5	2500	St	4	ASt	10	•
Grain	1024.4	0	SSW	3	o+	42	85	6	1500	St	10	–	10	2
Lympne	1024.2	–1	W	3	o	41	85	6	4000	StCu	10	–	10	2
Scilly (St. Mary's)	1022.8	+1	W	3	cpr₀	50	97	8	4000	StCu	7	–	7	•
Falmouth (Pendennis)	1024.1	0	WNW	3	od₀	48	97	8	4000	Nb	10	–	10	•
Plymouth (Cattewater)	1023.7	–2	W	1	o–	48	92	7	4000	StCu	2	ACu	10	2
Portland Bill	1022.8	+2	WSW	2	od+	49	92	7	2500	Nb	10	–	10	•
Southampton (Calshot)	1024.1	–1	SW'S	3	o/f	47	85	8	1500	St	4	ASt	10	0
Dungeness	1024.3	–2	WSW	3	c–	45	75	8	–	–	0	ACu	8	•
Guernsey	1025.3	–1	SW'W	3	o	46	92	8	4000	StCu	10	–	10	•

Observations at 1800 G.M.T. 10th

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1008.0	+3	S	1	b	47	97	7	–	–	0	ASt	3	0
Stornoway	1007.0	+1	SW	2	c–	50	85	7	4000	Cu	8	–	8	1
Wick	1008.4	+2	SW	2	b	46	92	8	5700	StCu	2	CiSt	3	0
Castlebay	1010.2	+2	SW	4	oDD	49	97	5	450	Nb	10	–	10	6
Nairn	1010.1	•	–	0	hc	47	85	8	1500	St	4	–	4	•
Aberdeen	1012.4	+3	SW	2	b	44	92	5	–	–	0	–	0	0
Malin Head	1013.6	+2	SW'W	3	oD	49	97	7	4000	Nb	10	–	10	4
Renfrew	1015.3	+3	SW	4	od₀d₀	49	97	5	800	Nb	10	–	10	•
Edinburgh (Inchkeith)	1013.8	+2	WSW	3	b	46	97	7	•	–	0	–	0	1
Leuchars	1013.0	+2	WSW	4	o+	49	97	7	1500	St	6	ASt	10	•
Eskdalemuir	1016.7	+2	SW'S	5	od₀d₀	45	97	4	4150	Nb	10	–	10	•
Tynemouth	1016.9	+3	SSW	1	fo–	47	85	3	800	St	10	–	10	0
Blacksod Point	1014.8	+1	SW	5	o	50	92	7	•	•	•	•	10	6
Donaghadee	1016.7	+1	–	0	o/r	49	97	7	450	St	10	–	10	2
Birr Castle	1018.5	•	W	2	or₀r₀	49	92	5	2500	Nb	10	–	10	•
Holyhead	1020.0	+3	SW'S	3	or₀	49	92	8	2500	Nb	10	–	10	3
Liverpool (Bidston)	1020.2	+2	SW	2	o	48	85	8	1500	St	10	–	10	3
Chester (Shotwick)	1020.0	+2	WSW	2	o	48	85	6	2500	St	10	–	10	•
Spurn Head	1021.0	+3	SE'E	2	o	40	97	4	2500	St	10	–	10	2
Birmingham (Edgbaston)	1022.0	+1	SSE	2	fo+	43	97	3	1500	St	10	–	10	•
Nottingham	1021.7	+2	W	2	o	44	92	5	–	–	0	CiSt	10	•
Cranwell	1021.6	+2	SW	3	o	42	97	6	4000	St	5	ASt	10	•
Gorleston	1023.3	0	SW	2	o	39	92	5	2500	St	10	–	10	0
Valencia (Cahirciveen)	1020.0	+1	S'W	3	opr₀	50	92	6	800	St	8	CSt	10	4
Roches Point	1020.9	+1	SW	2	b–	48	92	8	4000	StCu	1	–	1	0
Pembroke (St. Ann's H.)	1021.8	+1	SW'W	4	c	49	92	8	2500	StCu	8	–	8	4
Ross-on-Wye	1022.0	+2	WSW	2	o/r	47	92	6	1500	St	10	–	10	•
Leafield	1023.0	+2	SSW	2	mo–	43	97	4	225	St	10	–	10	•
Andover	1023.6	+2	SSW	2	o	44	97	5	800	St	10	–	10	4
S. Farnborough	1024.2	+1	SW	2	mmo	45	97	5	1500	StCu	10	–	10	•
London (Kew Obsy.)	1024.1	+1	SW'S	2	o	45	92	6	4000	St	10	–	10	•
Croydon	1024.0	+1	S'W	3	od₀d₀	43	97	5	1500	St	10	–	10	•
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1023.9	+2	SW	2	o	41	92	6	2500	St	10	–	10	1
Grain	1024.1	0	SW	3	mmo	44	85	5	4000	St	6	CSt	10	•
Lympne	1024.6	+1	SW'W	4	bc–	43	92	6	–	–	0	CSt	6	0
Scilly (St. Mary's)	1025.3	+2	WSW	2	c	41	97	7	–	–	0	CSt	7	•
Falmouth (Pendennis)	1024.1	0	W	3	c	50	97	8	4000	StCu	8	–	8	3
Plymouth (Cattewater)	1025.6	+2	WNW	3	od₀	48	97	8	4000	Nb	10	–	10	0
Portland Bill	1024.6	+2	W	2	o	48	92	7	450	St	10	–	10	0
Southampton (Calshot)	1023.8	+1	WSW	1	c/r	49	92	7	–	–	0	ACu	8	1
Dungeness	1024.4	+2	SW'S	3	o/r	46	97	7	1500	St	7	CSt	10	0
Guernsey	1025.2	+1	W	3	c	46	92	8	–	–	0	CSt	8	4
	1025.5	+1	W'S	2	od₀	47	97	6	2500	St	9	–	9	1

LONDON OBSERVATIONS.

	Height above M.S.L., in feet.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Temperature. Max. °F.	Temperature. Min. °F.	Min. on Grass. °F.	Rainfall. mm. Day.	Rainfall. mm. Night.	Sunshine to Sunset, hrs.	Humidity. 15h. G.M.T. %	Humidity. 9h. G.M.T. %	Visibility 9h.
		24 HOURS ENDED 0900 G.M.T. 11th.						YESTERDAY.			TO-DAY.		
Kew	18	bcmxom	odmom	omdom	*	*	43	Tr	0.3	0.1	*	*	5
Croydon } 24 hours ended 0700	244	obcmo	ododm	omdo	*	*	41	Tr	Tr	0.2	*	*	3
Greenwich (Royal Obsy.)	149	o	o	od	45	34	35	–	–	0.0	84	97	2
City (Bunhill Row)	80	*	*	*	*	*	*	*	*	0.0	*	*	*
Westminster (St. James' Pk.)	27	*	*	*	46	36	34	0.4		0.0	82	93	*
Regent's Pk. (Botanic Gdns).	168	*	*	*	*	*	*	*	*	0.0	*	*	*
Camden Square	110	cfxo	o	*	46	35	32	–	1	*	*	97	*
Kensington Palace	80	oo	odr	*	46	29	39	0.2	0.6	*	(At 18h	100	*
Hampstead Observatory	450	*	*	*	46	34	39	0.3	2	0.0	.22	99	*

ATMOSPHERIC POLLUTION.

Milligrams of Solid Impurity per cubic metre.

24 HR. ended 1600 G.M.T. 10th

South Kensington Max.	Time.	Min.	Time.
1.3	21h. 9m	0.3	6h. 10m
2.0	9h. 10m		

Kew Observatory Max.	Time.	Min.	Time.
1.6	21h 9m	0.4	13h 10m
1.2	9h 10m		

POLE STAR RECORD at Greenwich Obsy.

Exposure from 10h. 17h.00m. to 11th. 06h.45m.

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	13.45	0.24	3
δ Ursae Minoris	13.45	0.04	1

CODE FOR STATE OF GROUND.

0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.[1]

Time.	Type.	No. per min.	Stren.	Direc.
13h.	C	6	–	150°
18h.	C_1C_2	6	–	140°
01h.	C_1C_2	6	–	150
07h.	C	5	–	110

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.

11th. 12th. December, 1923.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7.56	11.42	3.37
	7.57	11.47	3.36
Greenwich	7.57	11.53	3.49
	7.58	11.54	3.49
Wick	8.54	12.5	3.16
	8.55	12.6	3.16
Valencia	8.41	12.34	4.27
	8.42	12.35	4.27

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, „ less than 200 m.
m mist, „ 1000—10000 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. r rain. s snow.
rs sleet. t thunder.
u ugly, threatening sky.
v unusual visibility. w dew.
x hoar frost. y dry air.
z dust haze; the turbid atmosphere of dry weather.
h(r)="hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity.
R = heavy rain. r_0 = slight rain, rr = continuous rain.

SYMBOLS.

< = { less than (for cloud height), { before (for precipitation).
⊕ = solar halo. ☾ = lunar halo.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions, thus:—b/r = fair weather after rain; – = "decreasing"; + = "increasing."

The BEAUFORT SCALE of WIND is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers, is the speed at about 30 feet above the ground.

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1- 3
2	4- 7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

SEA DISTURBANCE.

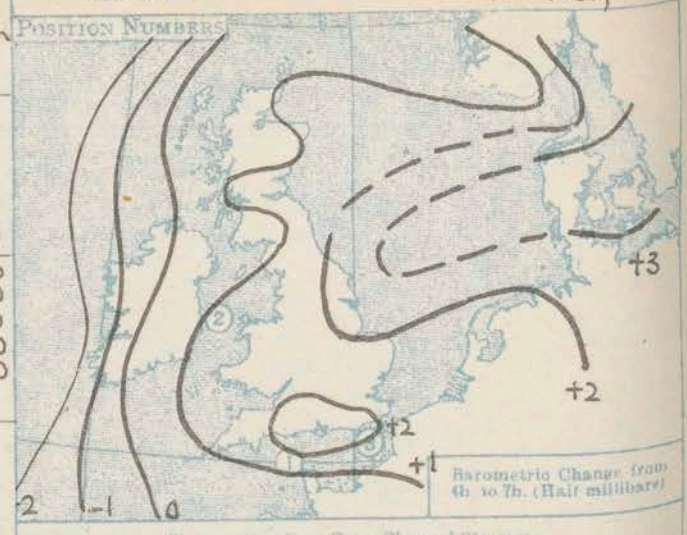
0=no swell } Calm or slight sea.
1=mod. swell
2=heavy swell
3=no swell } Moderate sea.
4=mod. swell
5=heavy swell
6=rather rough sea
7=rough sea.
8=very rough sea
9=mountainous sea

[1] For explanation see Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 10th	13h.-18h. 10th	18h. 10th to 1h. 11th	1h.-7h. 11th	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS.	RAINFALL.† Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began.	SUN. 10th Hours.
Lerwick	omd	od	bc	o	48	46	•	1	1	<0800	<2100	0·0
Stornoway	do	o	r-d	rr	50	48	•	0·5	2	-	-	0·0
Wick	oo	b-bc	b-bc	oo	47	44	•	-	-	-	-	•
Castlebay	dd	daff	dfdo	odod	50	49	•	0·3	0·2	<0800	-	0·0
Nairn	ogbce	ebc	bccg	cg	51	46	•	-	-	-	-	1·0
Aberdeen	omiro	ombm	b-bc	c	46	43	35	2	-	1100	-	0·1
Malin Head	omD	omD	cidd	doco	49	47	•	3	1	<0800	<2100	0·0
Renfrew	omro	odom	odod	oidoq	49	48	45	1	Trace	<0800	<2100	0·0
Edinburgh (Inchkeith)	oo	p	c	oo	48	47	•	-	-		-	0·0
Leuchars	oro	obcmo	oo	oco	49	47	44	0·3	-	0900	-	0·0
Eskdalemuir	odm	odom	odmofe	ofcom	45	43	43	2	2	<0800	<2100	0·0
Tynemouth	rrom	rorff	bffm	bcm	48	44	39	3	-	0900	-	•
Blacksod Point	f-m	m	r-d	r-d	50	?!	•	2	1	-	-	•
Donaghadee	oo	op	o	o	50	46	•	0·3	Trace	<0800	<2100	•
Birr Castle	co	coiro	coiro	bc	50	46	39	trace	0·1	1730	<2100	0·0
Holyhead	oo	oroo	oro	oov	50	48	45	trace	Trace	1530	<2100	0·1
Liverpool (Bidston)	oo	o		oo	49	44	36	-	-	-	-	0·0
Chester (Shotwick)	omom	oom	oom	odom	50	44	38	-	Trace	-	01·30	0·2
Spurn Head	c	m	ombmf	f-m	41	38	•	-	-	-	-	0·4
Birmingham (Edgbaston)	om	omme	offe	offe	43	41	39	trace	Trace	-	-	0·2
Nottingham	cm	cm	ocm	f-m	44	41	32	-	-	-	-	0·0
Cranwell	cm	o	of	omido	42	40	36	-	Trace	-	06·30	1·2
Gorleston	cm	cmom	om	omf	39	39	36	-	-	-	-	0·0
Valencia (Cahirciveen)	op	op	op	oc	51	49	45	0·2	Trace	0900	-	0·0
Roches Point	oo	ocb	bod	doc	51	47	•	-	0·6	-	<2100	
Pembroke (St. Ann's H.)	p	c	oo	c	49	47	•	1	1	1430	02·30	0·3
Ross-on-Wye	oo	omoido	doo	oo	47	45	41	-	trace	-	<2100	0·0
Leafield	co	odoo	ffo	cof	43	42	40	trace	-	-	-	0·0
Andover	omomd	om	om	om	44	42	39	trace	-	1230	-	0·7
S. Farnborough	oomm	proom	om	roo	46	42	39	trace	0·3	1530	03·30	1·2
London (Kew Obsy.)	bcmxom	odmom	omdoom	omomdo	45	44	43	trace	0·3	1630	2200	0·1
Croydon	obcmo	ododom	omdo	omdo	44	43	41	trace	Trace	1630	<2100	0·2
Clacton-on-Sea	cm	cpdogm	ogme	gme	41	40	39	0·3	-	1430	-	0·1
Shoeburyness	bmbccopg	oprom	omcm	gmomw	44	42	39	0·1	0·1	1230	-	0·1
Grain	oxbcd	oeo	ocbcb	bccom	43	43	39	-	Trace	-	-	0·0
Lympne	om	ocom	ordf	odfr	43	40	37	trace	2	-	2200	0·0
Scilly (St. Mary's)	c	cp	bcb	bc	53	45	•	0·1	-	1230	-	0·5
Falmouth (Pendennis)	cod	cod	codbc	bccor	49	46	•	1	0·4	0900	<2100	0·0
Plymouth (Cattewater)	omo	or	obc	bccme	50	45	?	02	0·1	0800	<2100	0·2
Portland Bill	c	r-d	c	c	49	47	•	0·3	-	1230	-	•
Southampton (Calshot)	omo	odoo	oo	omoff	47	42	40	0·1	Trace	1430	<2100	0·1
Dungeness	c	c	cporr	rmf	49	45	•	-	3	-	2200	•
Guernsey	oido	ododo; mdoo	idoo	c	48	43	•	1	1	0900	<2100	•

ISALLOBARS — 11th Dec., 1923



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea	Visibility.
2	10th 10.10	"Scotia"	NNW	4	0	49	50	8
3	11th 0200	-	SW	4	0-	46	50	7

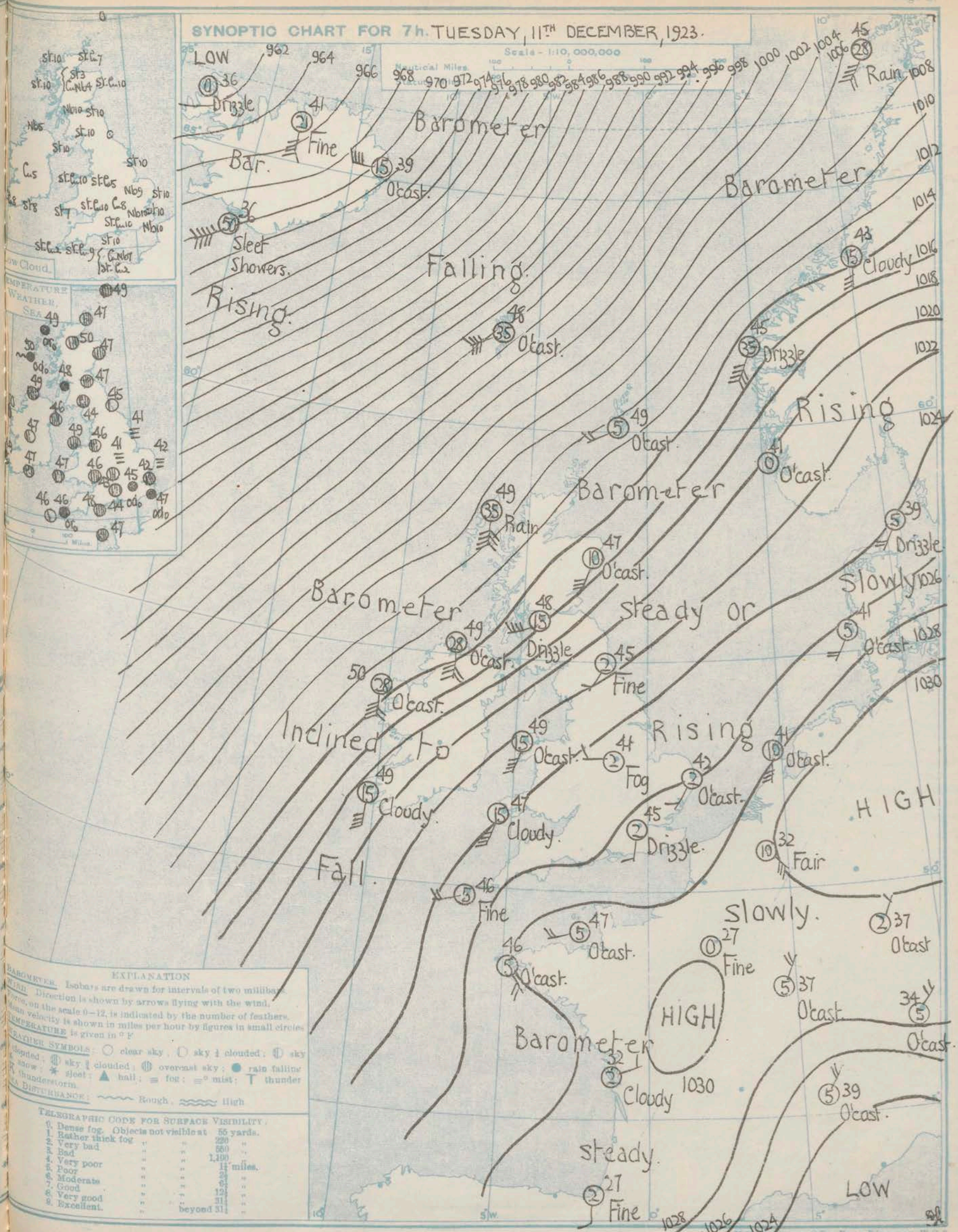
GENERAL INFERENCE.

A belt of high pressure extends from the Bay of Biscay to Russia, and depressions are keeping well to the northwest of the British Isles. Mild, mainly cloudy weather is probable with southerly to southwesterly winds, fresh to strong at times in Ireland and Western Scotland. Some rain or drizzle is likely in the Northwest, and slight rain will occur locally elsewhere.

Districts.	Forecasts for the 24 hours commencing 15 h. G.M.T. Tuesday, 11th December, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Wind S. to S.W., light or moderate; mainly cloudy, local drizzle not improbable; mist or fog; mild.	Generally mild for the next day or two.
5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands	Wind S. to S.W., light or moderate; mainly cloudy, slight rain locally; misty at times; mild.	
10. N.E. England	As 1 - 4.	
11. E. Scotland	As 5 - 9.	
12. S.W. Scotland ∇ 13. Isle of Man 14. N.& N.W. Scotland ∇ 15. Hebrides ∇ 16. Orkneys and Shetlands ∇ 17. N.W. Ireland ∇ 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind S. to S.W., fresh or strong at times; mainly dull, occasional rain or drizzle; mist at times; mild.	∇ South Cone still flying.

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0900 G.M.T. G. C. SIMPSON, F.R.S., Director.

§ For Code see opposite page.



H.M. Stationery Office Press, Kingsway, W.C.2

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. Tuesday, 11th December 1923. No. 345.

Observations at 0100 G.M.T. 11th

STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10
Lerwick	54	1010·2	+1	SW	2	b	49	92	7	-	-	0	ASr	2
Stornoway	51	1010·2	+1	WSW	5	rr	*	*	4	*	*	*	*	*
Wick	81	1010·6	+2	SW	4	b	46	97	8	-	-	0	CiSr	2
Castlebay	37	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	82	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	46	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	71	1014·1	0	S	5	od	48	97	7	4000	Nb	5	ASr	9
Renfrew	38	*	*	*	*	*	*	*	*	*	*	*	*	*
Edinburgh (Inchkeith)	190	1015·9	+2	SW	4	b-	48	92	8	*	-	0	CiSr	2
Leuchars	36	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*
Tynemouth	118	1019·0	+2	W	1	bc+	45	97	6	800	Sr	5	-	5
Blacksod Point	10	1014·4	0	SW'W	5	obr	50	85	3	*	*	*	*	10
Donaghadee	35	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	175	*	*	*	*	*	*	*	*	*	*	*	*	*
Holyhead	26	1020·6	+1	S'W	3	or	49	97	8	2500	Sr	10	-	10
Liverpool (Bidston)	189	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Shotwick)	16	*	*	*	*	*	*	*	*	*	*	*	*	*
Spurn Head	26	1022·6	0	SSW	3	ffb	40	97	3	-	-	0	-	0
Birmingham (Edgbaston)	525	*	*	*	*	*	*	*	*	*	*	*	*	*
Nottingham	82	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	237	1023·0	+1	NSW	3	ffo	43	97	3	225	Sr	10	-	10
Gorleston	13	1024·3	0	SW	2	fo	42	92	6	2500	Sr	10	-	10
Valencia (Cahirciveen)	30	1019·5	0	S	2	o+	50	97	8	-	Sr	10	-	10
Roches Point	32	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	149	1023·0	0	SW	3	cjp	48	97	8	1500	Sr	8	-	8
Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*
Leafield	556	*	*	*	*	*	*	*	*	*	*	*	*	*
Andover	295	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough	230	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.)	18	*	*	*	*	*	44	*	*	*	*	*	*	*
Croydon	244	1014·7	0	SSW	2	o/r	44	97	5	1500	StCu	5	ASr	9
Clacton-on-Sea	54	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	20	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	350	1025·6	0	WSW	2	odd	44	97	1	<150	Nb	10	-	10
Scilly (St. Mary's)	131	1024·6	0	W's	2	bv	48	97	9	-	-	0	-	0
Falmouth (Pendennis)	200	1025·2	+1	WNW	2	bcfr	47	92	8	5700	StCu	5	-	5
Plymouth (Cattewater)	82	*	*	*	*	*	*	*	*	*	*	*	*	*
Portland Bill	19	1024·5	0	WSW	2	c	49	92	7	-	-	0	ACu	8
Southampton (Calshot)	12	1025·3	0	SW	1	c-	44	97	6	1500	Sr	7	-	7
Dungeness	21	1025·5	0	SW	4	orr	47	92	6	1500	Sr	10	-	10
Guernsey														

Observations at 0700 G.M.T. 11th

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1010·7	0	SW	2	o	49	85	7	-	-	0	ASr	9	1
Stornoway	1008·1	0	S	7	or.r.	49	92	6	450	Sr	10	-	10	5
Wick	1011·1	+1	SSW	2	o	47	92	8	5700	StCu	7	CiSr	10	0
Castlebay	1010·4	0	SSW	5	od.d	50	92	7	1500	Sr	10	-	10	6
Nairn	1011·4	*	W	2	c+	50	85	8	1500	CuNb	7	-	7	*
Aberdeen	1015·7	0	SSW	3	o	47	97	6	2500	StCu	10	-	10	0
Malin Head	1013·9	0	S	5	o/r	49	97	7	4000	Nb	5	ASr	10	5
Renfrew	1017·4	+1	SW	4	od.	48	92	7	1500	Nb	10	-	10	*
Edinburgh (Inchkeith)	1017·0	+1	SW	4	o+	47	85	8	*	Sr	10	-	10	2
Leuchars	1016·5	0	WSW	4	o	47	92	7	1500	StCu	9	-	9	*
Eskdalemuir	1019·2	0	S	5	mmo	44	97	6	800	Sr	10	-	10	*
Tynemouth	1020·9	+1	SW	1	b	45	97	6	-	-	0	ACu	3	0
Blacksod Point	1013·6	-1	S	6	o+	50	85	7	*	*	*	*	9	5
Donaghadee	1018·6	0	SW	1	o+	46	97	8	450	Sr	10	-	10	1
Birr Castle	1018·9	*	S	3	bc-	47	92	6	4000	Cu	5	-	5	*
Holyhead	1022·1	+1	SSW	4	ov	49	85	9	4000	StCu	10	-	10	3
Liverpool (Bidston)	1022·4	+1	SSW	2	c+	46	92	7	2500	StCu	5	ASr	8	3
Chester (Shotwick)	1022·8	+1	S	2	od.	46	92	6	1500	StCu	10	-	10	*
Spurn Head	1024·2	+3	SW	2	ffo	41	97	2	2500	Sr	10	-	10	2
Birmingham (Edgbaston)	1024·9	+1	S	3	ffo	43	97	1	225	Sr	10	-	10	*
Nottingham	1024·5	+1	W	1	fo+	41	97	2	1500	Nb	10	-	10	*
Cranwell	1024·7	+2	SW's	3	o/r	44	97	6	2500	StCu	10	-	10	*
Gorleston	1025·9	+1	SW's	1	fo+	42	97	1	2500	Sr	10	-	10	0
Valencia (Cahirciveen)	1019·0	-2	S	4	c	49	92	7	800	StCu	8	-	8	4
Roches Point	1021·6	0	NE	1	c-	47	97	8	2500	Sr	8	-	8	0
Pembroke (St. Ann's H.)	1023·8	+1	SSW	4	c pd	47	92	8	2500	Sr	7	-	7	4
Ross-on-Wye	1024·3	+1	SSW	2	o	46	92	7	2500	StCu	10	-	10	*
Leafield	1025·8	+3	SW	2	c/f	43	97	6	4000	Cu	8	-	8	*
Andover	1026·1	+1	-	0	o	43	97	6	800	Sr	10	-	10	*
S. Farnborough	1026·1	+2	SW	2	o	44	97	6	1500	StCu	10	-	10	*
London (Kew Obsy.)	1026·6	+1	S	1	od.	45	97	5	1500	Nb	10	-	10	*
Croydon	1025·1	+1	SW's	1	o/r	44	97	5	800	Sr	10	-	10	*
Clacton-on-Sea	1026·3	+1	SSW	1	mmo	42	97	4	450	Sr	10	-	10	0
Shoeburyness	1026·8	+1	SW	1	mmo	43	85	5	1500	Sr	10	-	10	*
Grain	1027·0	+2	SW	2	o	44	97	4	800	Sr	10	-	10	0
Lympne	1026·8	+3	SW	3	ffo	45	97	1	<150	Sr	10	-	10	*
Scilly (St. Mary's)	1025·2	+1	WSW	2	b	46	97	8	4000	StCu	2	-	2	2
Falmouth (Pendennis)	1025·5	0	WNW	2	ofo	46	97	8	5700	StCu	9	-	9	0
Plymouth (Cattewater)	1025·9	0	NE	1	imc	45	97	6	2500	StCu	8	-	8	0
Portland Bill	1025·0	+2	SW	1	o+	48	92	7	4000	Sr	10	-	10	0
Southampton (Calshot)	1026·6	+2	NNW	1	ffo	43	97	2	800	Sr	10	-	10	4
Dungeness	1026·6	+2	SSW	3	od.	47	92	7	4000	Nb	10	-	10	1
Guernsey	1026·7	0	W's	2	o-	47	92	7	2500	CuNb	9	-	9	

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 10th December

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 9th-10th °F	Temperature. Max. Day. 10th °F.	Rainfall.† Night 17h.-9h. 9th-10th mm.	Rainfall.† Day 9h.-17h. 10th mm.	Sunshine.	Sunshine. Sunrise to Sunset. 10th hr.
Montrose	oRmc	cbco	33	49	2	1		0·0
Berwick-on-Tweed	mfem	mene	32	48	0·1	0·1		0·0
Llandudno	co	oc	36	49	-	-		0·0
Colwyn Bay	c	c	37	51	-	-		0·0
Rhyl	o	o	33	50	0·1	-		0·0
Southport	ror	co	32	47	1	0·1		0·0
Blackpool	or	o	34	47	2	0·1		0·0
Ilkley	od.m	md.o	27	48	1	0·2		0·0
Harrogate	oe	oe	30	46	1	-		0·0
Skegness	kbc	bcom	29	40	-	-		1·3
Aberystwyth	roc	o	36	48	0·3	-		0·0
Bath	moc	comd	26	47	Trace	Trace		0·2
Leamington Spa	o	o	25	45	-	-		0·0
Lowestoft	ofo	o	28	39	-	-		0·0
Felixstowe	bcfo	omd.	28	41	-	0·3		0·4
Southend	bcc	cc	29	42	-	-		0·0
Ilfracombe	o	od	39	50	0·2	0·3		0·0
Bude	d	d	31	49	1	0·4		0·0
Torquay	codo	bcco	34	50	-	-		0·1
Weymouth	od	o	29	50	-	-		0·0
Bournemouth	o	o	28	47	-	-		0·0
Portsmouth (S'thsea)	ofc	come	28	49	-	-		0·7
Littlehampton	bcm	ocmr	24	46	-	0·1		0·3
Worthing	mco	do	26	47	-	-		0·1
Brighton	fo	o	27	50	-	-		0·0
Eastbourne	o	o	27	47	-	-		0·2
Hastings	omfc	com	32	47	Trace	-		0·5
Folkestone	o	o	30	49	-	-		0·0
Dover	mcmo	mom	30	45	-	-		0·0
Tunbridge Wells	bmco	o	24	44	-	-		0·3
Ramsgate	kobc	o	37	48	-	-		1·2
Margate	o	o	31	44	-	-		0·2
Deal	bcc	ocm	28	43	-	-		0·0

TERMS OF SUBSCRIPTION.—6/6 per quarter or 25/- per year, post free. Single copies may be obtained at the Meteorological Office, price 1d.

* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. § For code see page 3. ‡ See footnote page 1

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION No. B.22665 Wednesday, 12th December 1923.

Observations at 1300 G.M.T. 11th

STATIONS. (For heights see p.4).	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0–12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0–9	Cloud. Low. Height Feet	Low. Form	Low. Amt. 0–10	Upper Form.	Total Amt. 0–10	State of ground.
Lerwick	1011·2	0	S	2	o	49	85	7	–	–	0	ASt	10	·
Stornoway	1007·8	0	SSW	6	or_or_o	49	92	6	450	St	10	–	10	·
Wick	1011·0	+1	SSW	4	o	48	92	8	5700	StCu	6	CiSt	10	·
Castlebay	1010·6	+0	SW	5	o/r	50	85	7	1500	St	10	–	10	·
Nairn	·	·	·	·	·	·	·	·	·	·	·	·	·	·
Aberdeen	1016·4	0	SSW	3	o	47	92	6	1500	St	9	ASt	10	2
Malin Head	1013·0	−2	SSW	7	c−	49	92	8	2500	StCu	7	–	7	·
Renfrew	1018·3	0	SW	4	o	49	85	7	1500	St	10	–	10	2
Edinburgh (Inchkeith)	1017·3	+1	SW	3	o	48	85	8	·	StCu	4	ASt	10	·
Leuchars	1017·2	0	SW	4	o/r	50	85	7	1500	StCu	10	–	10	2
Eskdalemuir	1019·8	+1	SSW	5	od_o	45	97	6	<150	St	10	–	10	2
Tynemouth	1022·1	0	S	1	o	47	92	5	1500	St	10	–	10	·
Blacksod Point	1013·0	−1	SE	6	opr_o	49	92	6	·	·	·	·	10	·
Donaghadee	1019·2	0	SE	2	c−	49	85	8	450	Nb	10	–	10	·
Birr Castle	1019·2	·	S	3	c+	50	85	7	4000	Cu	8	–	8	·
Holyhead	1022·5	+0	SW	5	or_o	49	92	7	300	Nb	10	–	10	1
Liverpool (Bidston)	1023·5	−0	S	1	o+	48	85	6	1500	Nb	10	–	10	·
Chester (Shotwick)	1024·0	+1	SSE	2	o	48	85	7	1500	St	10	–	10	1
Spurn Head	1025·6	+1	SSW	3	c	44	97	6	–	–	0	ACu	8	·
Birmingham (Edgbaston)	1025·6	+2	S	3	oF−	45	97	2	220	St	10	–	10	2
Nottingham	1024·9	0	SW	2	mmo	46	97	4	300	St	10	–	10	·
Cranwell	1025·5	0	SW/S	2	o	47	97	6	2500	St	10	–	10	2
Gorleston	1026·5	0	SW	1	of−	45	97	2	2500	St	10	–	10	·
Valencia (Cahirciveen)	1018·3	−2	S	6	c	51	85	8	1500	StCu	8	–	8	1
Roches Point	1021·2	0	SSW	4	od_o	48	97	5	800	CuNb	10	–	10	·
Pembroke (St. Ann's H.)	1024·6	0	SW/W	4	op	49	92	8	2500	Nb	7	–	7	·
Ross-on-Wye	1025·3	0	SSW	2	o	48	85	7	2500	Nb	8	Ci	9	1
Leafield	1026·1	0	SW	2	o−	45	97	7	1500	Nb	10	–	10	·
Andover	1026·8	0	SSW	3	o	45	97	5	450	St	10	–	10	1
S. Farnborough	1027·1	−1	SSW	2	o−	48	85	6	1500	StCu	10	–	10	1
London (Kew Obsy.)	1027·1	−1	SW	2	o	47	92	5	1500	St	10	–	10	1
Croydon	1027·6	−0	SW	3	c−	46	92	6	450	StCu	8	–	8	2
Clacton-on-Sea	·	·	·	·	·	·	·	·	·	·	·	·	·	·
Shoeburyness	1027·7	+1	SSW	3	bcm	48	85	6	2500	St	2	ACu	4	·
Grain	1027·8	−0	SE	4	o	46	92	7	2500	St	9	–	9	2
Lympne	1027·5	−1	SSW	3	od_o	44	97	3	<150	Nb	10	–	10	2
Scilly (St. Mary's)	1025·4	0	SW	2	c+	49	97	8	4000	StCu	7	–	7	·
Falmouth (Pendennis)	1026·1	0	SW	3	bc+	49	85	8	5700	StCu	4	–	4	·
Plymouth (Cattewater)	1026·3	−1	SSW	2	c	49	92	8	800	StCu	6	CiCu	7	1
Portland Bill	1026·3	−2	SW	2	bc−	50	92	7	4000	StCu	4	CiCu	6	·
Southampton (Calshot)	1027·2	−1	ESE	1	om+	46	92	5	1500	St	9	–	9	2
Dungeness	1028·7	0	SW	3	o	45	97	6	4000	St	10	–	10	·
Guernsey	1027·4	−2	WSW	2	om	47	97	6	2500	Nb	5	ASt	9	·

Observations at 1800 G.M.T. 11th

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0–12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0–9	Cloud. Low. Height Feet	Low. Form	Low. Amt. 0–10	Upper Form.	Total Amt. 0–10	Sea. 0–9
Lerwick	1011·2	0	SSW	2	od_o	48	92	6	4000	Nb	5	ASt	9	1
Stornoway	1005·8	−2	SW	8	or_or_o	49	85	6	450	St	10	–	10	7
Wick	1009·8	0	SSW	5	o	47	97	8	4000	StCu	4	CiSt	10	3
Castlebay	1009·8	−1	SSW	6	o	50	92	7	1500	St	10	–	10	7
Nairn	1011·8	·	WSW	3	c	50	75	8	4000	Cu	7	–	7	·
Aberdeen	1017·0	0	SSW	3	o	47	92	6	1500	St	10	–	10	0
Malin Head	1011·4	−3	S	7	b−	49	92	8	5700	StCu	2	CiCu	3	5
Renfrew	1018·3	+1	SSW	4	o	48	85	7	1500	St	10	–	10	·
Edinburgh (Inchkeith)	1018·4	+1	SW	2	o	48	85	8	·	St	10	–	10	1
Leuchars	1017·9	+1	SW	4	o	49	75	7	1500	StCu	10	–	10	·
Eskdalemuir	1020·3	0	SW	4	od_o	43	97	6	225	Nb	10	–	10	·
Tynemouth	1022·2	0	S	1	o	46	92	5	1500	St	10	–	10	0
Blacksod Point	1012·2	0	SE	6	o/r	50	85	3	·	·	·	·	10	8
Donaghadee	1018·5	0	SE	4	o+	49	92	8	450	St	10	–	10	3
Birr Castle	1019·1	·	S	4	o+	49	85	5	2500	Nb	10	–	10	·
Holyhead	1022·3	0	S	4	oDD	47	97	5	800	Nb	10	–	10	3
Liverpool (Bidston)	1023·7	0	SSW	1	o+	46	85	8	2500	Cu	9	–	9	2
Chester (Shotwick)	1023·8	0	SE	1	o	47	85	6	2500	StCu	10	–	10	·
Spurn Head	1025·8	0	SE	2	mo+	43	97	4	450	St	10	–	10	1
Birmingham (Edgbaston)	1026·0	0	SSE	3	mmo	45	92	5	1500	St	10	–	10	·
Nottingham	1025·7	+1	S	2	o	45	97	6	1500	Nb	10	–	10	·
Cranwell	1026·1	+1	S	2	o	45	97	6	2500	St	10	–	10	·
Gorleston	1028·0	+1	SSW	3	fo+	44	97	3	2500	St	10	–	10	0
Valencia (Cahirciveen)	1017·8	0	S	6	od_o	50	92	6	800	St	10	–	10	6
Roches Point	1020·9	0	SW	4	o	48	97	8	–	–	0	ASt	10	6
Pembroke (St. Ann's H.)	1024·1	0	SW/W	4	e	47	92	8	2500	St	8	–	8	4
Ross-on-Wye	1025·5	0	SSW	2	o	46	85	7	2500	StCu	10	–	10	·
Leafield	1026·9	0	S	2	o	43	97	3	<150	St	10	–	10	·
Andover	1027·0	0	–	0	o	44	97	5	800	St	10	–	10	4
S. Farnborough	1027·5	+1	SW	3	c	46	97	5	1500	StCu	7	–	7	·
London (Kew Obsy.)	1027·9	+1	S	1	o	46	92	5	1500	St	10	–	10	·
Croydon	1028·1	0	S	1	mmo	45	92	4	800	St	10	–	10	·
Clacton-on-Sea	1028·0	+1	SSW	2	ffo	43	97	3	<150	St	10	–	10	0
Shoeburyness	1028·1	0	SSW	1	od_od_o	44	92	4	450	Nb	10	–	10	·
Grain	1028·6	+2	S	2	o/r	45	97	6	2500	St	10	–	10	0
Lympne	1028·2	+1	S	2	o/r	45	97	4	225	St	10	–	10	·
Scilly (St. Mary's)	1025·1	0	SSW	3	c/r	48	97	6	4000	StCu	7	–	7	3
Falmouth (Pendennis)	1025·6	0	SW	3	c+	47	97	8	5700	StCu	8	–	8	0
Plymouth (Cattewater)	1026·4	0	SW	2	c+	47	97	8	800	St	8	–	8	0
Portland Bill	1026·3	0	SW	1	bc−	48	85	7	4000	StCu	3	CiCu	5	1
Southampton (Calshot)	1028·0	+1	–	0	fbc+	44	97	3	4000	StCu	4	–	4	0
Dungeness	1028·9	0	SSW	2	o	46	97	6	4000	St	10	–	10	3
Guernsey	1027·6	+1	SW	2	o	47	92	7	4000	StCu	10	–	10	0

LONDON OBSERVATIONS.	Height above M.S.L. in feet.	Weather. Morning. (24 hours ended 0900 G.M.T. 12th)	Afternoon.	Night.	Temperature. Max. °F.	Min. °F.	Min. on Grass. °F.	Rainfall mm. Day.	Night.	Sunshine to Sunset, hrs. (Yesterday)	Humidity. 15h. G.M.T. % (Yesterday)	9h. G.M.T. % (To-day)	Visibility 9h.
Kew } 24 hours ended 0700	15	om	omcmom	$cmomd_o$	·	·	41	0·1	0·5	0·0	·	·	4
Croydon } 24 hours ended 0700	244	ofm	com	omd_od_o	·	·	43	–	0·2	0·2	·	·	5
Greenwich (Royal Obsy.)	149	b	o	od	47	44	38	–	0·5	0·0	91	96	4
City (Bunhill Row)	80	·	·	·	·	·	·	·	·	0·0	·	·	·
Westminster (St. James' Pk.)	27	·	·	·	49	45	44	0·5	0·5	0·0	86	89	·
Regent's Pk. (Botanic Gdns).	162	·	·	·	·	·	·	·	·	0·0	·	·	·
Camden Square	110	omo	o	·	48	45	43	–	0·5	·	·	95	·
Kensington Palace	90	o	o	·	48	46	40	–	1	·	At 18h 93	93	·
Hampstead Observatory	450	·	·	·	46	43	38	Tr.	1	0·0	93	33	·

ATMOSPHERIC POLLUTION.
Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 1600 G.M.T. 12th

South Kensington

Max.	Time.	Min.	Time.
0·6	18h.10th	0·3	2h. 11th
1·0	9h 11th		

Kew Observatory

Max.	Time.	Min.	Time.
0.4	1700 10th	<0.3	0400 11th
0.5	0900 11th		

POLE STAR RECORD at Greenwich Obsy.

Exposure from 11th 17 h. 00 m. to 12th 06 h. 45 m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	13·45	0·30	4
δ Ursae Minoris	13·45	0·16	2

CODE FOR STATE OF GROUND.
0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain, or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.¹

Time.	Type.	No. per 4 sec.	Stren.	Direc.
13h.	C,C_2	6	–	130°
18h.	C	5	–	120°
01h.	C,C_2	6	–	130°
07h.	C	5	–	120

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.

12th, 13th December, 1923.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7·57 7·58	11·47 11·47	3·36 3·36
Greenwich	7·58 7·59	11·54 11·54	3·49 3·49
Wick	8·55 8·56	12·6 12·6	3·16 3·16
Valencia	8·42 8·43	12·35 12·35	4·27 4·27

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, „ less than 200 m.
m mist, „ 1000—10000 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. r rain. s snow.
rs sleet. t thunder.
u ugly, threatening sky.
v unusual visibility. w dew.
x hoar frost. y dry air.
z dust haze; the turbid atmosphere of dry weather.
h(r)="hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity.
R = heavy rain. r_o = slight rain.
rr = continuous rain.

SYMBOLS.
< = { less than (for cloud height). before (for precipitation).
⊕ = solar halo. ⩀ = lunar halo.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions, thus:—bc/r = fair weather after rain; − = "decreasing"; + = "increasing."

The BEAUFORT SCALE of WIND is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers, is the speed at about 30 feet above the ground.

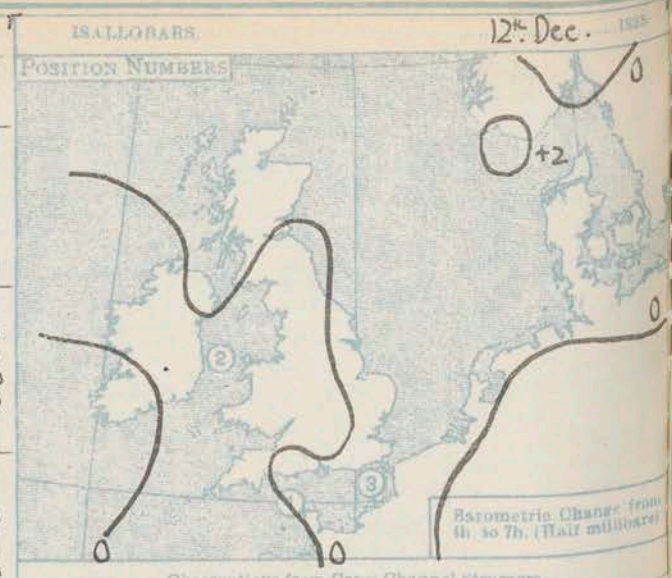
SEA DISTURBANCE.
0=no swell } Calm or slight sea.
1=mod. swell
2=heavy swell
3=no swell } Moderate sea.
4=mod. swell
5=heavy swell
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1- 3
2	4- 7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	above 75

¹ For explanation see Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 11th	13h.-18h. 11th	18h. 11th to 1h 12th	1h.-7h. 12th	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS.	RAINFALL.† Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began	SUN. 11th. Hours.
Lerwick	c	omd	bc	o	50	47	•	0.2	–	1530	–	0.0
Stornoway	r-d	r-d	r-d	r	50	48	•	3	5	–	<2100	0.0
Wick	oo	oo	oo	oo	49	47	•	–	–	–	•	
Castlebay	doo	o	odd	ddro	50	48	•	trace	2	–	2200	0.0
Nairn	cg	cg	cbcc	cg	50	48	•	–	–	–	–	0.0
Aberdeen	omcom	ogm	o	oo	48	46	44	–	–	–	–	0.0
Malin Head	c	cobcv	bcco	co	49	47	•	–	Trace	–	06.30	0.6
Renfrew	odoo	odoq	oq	omoq	50	48	47	trace	Trace	<0800	–	0.0
Edinburgh (Inchkeith)	oo	oo	ob	oo	49	47	•	–	–	–	–	0.0
Leuchars	odoo	~~oq oo~~	oq	oq	50	47	44	trace	–	1100	–	0.0
Eskdalemuir	ofedom	oidom	odm	odorm	45	42	42	0.6	5	<0800	<2100	0.0
Tynemouth	om	om	ombm	m	47	42	41	–	–	–	–	•
Blacksod Point	r-d	p	p	p	50	45	•	1	16	–	–	•
Donaghadee	oo	o	o	c	49	47	•	–	–	–	–	•
Birr Castle	co	co	co	coq	50	47	41	–	–	–	–	0.0
Holyhead	pro	irDm	oDdo	odd	50	46	45	2	3	1100	<2100	1.1
Liverpool (Bidston)	cobcm	oo		oo	49	43	41	–	–	–	–	1.0
Chester (Shotwick)	omo	oom	om	om	49	44	43	–	–	–	–	0.1
Spurn Head	ffofc	cmfom	oo	mmo	45	41	•	–	–	–	–	1.3
Birmingham (Edgbaston)	offc	ofmm	oom	oo	45	42	42	trace	–	–	–	0.0
Nottingham	f-m	m	o	oo	46	44	42	–	–	–	–	0.0
Cranwell	co	odoo	om	oo	48	42	40	0.1	–	<0800	–	0.2
Gorleston	off	off	odod	odo	46	~~P40~~	39	–	0.2	–	<2100	0.0
Valencia (Cahirciveen)	c	odo	odoo	ood	51	50	47	trace	0.1	–	<2100	0.0
Roches Point	odom	domo	ob	bo	49	47	•	0.3	–	1230	–	•
Pembroke (St. Ann's H.)	opc	c	opd	opd	50	46	•	0.6	0.4	<0800	<2100	4.4
Ross-on-Wye	gidoc	co	og	oo	48	45	43	–	–	–	–	0.0
Leafield	fdo	cof	ffo	cof	45	40	39	–	–	–	–	0.0
Andover	om	omdo	om	om	46	42	40	trace	Trace	1530	0630	0.0
S. Farnborough	om	?cmm	cbmor	o	49	45	40	–	0.3	–	22.00	0.~~4~~ 5
London (Kew Obsy.)	om	omcm	cmomdo	omdomc	48	45	41	0.1	0.3	<0800	2200	0.0
Croydon	ofm	com	omdodo	ommdd	47	45	43	–	0.2	–	<2100	0.2
Clacton-on-Sea	ogmfc	ogfc	ogfbdm	ogm	44	42	41	–	0.3	–	<2100	0.0
Shoeburyness	omcmbc	bcmcm	ododm	ofm	49	41	40	0.2	0.4	–	<21.00	0.8
Grain	ombco	odofm	ofro	oom	49	41	40	0.2	0.1	1730	<21.00	0.4
Lympne	ofdo	offdo	om	om	45	41	40	0.3	–	0900	–	0.0
Scilly (St. Mary's)	bcc	cmd	bcd	bcdo	51	46	•	0.5	0.5	1430	<2100	3.0
Falmouth (Pendennis)	corbc	bcco	bccor	cobbc	49	47	•	1	1	<0800	<2100	3.3
Plymouth (Cattewater)	ofec	codbcc	codbc	bcod	51	47	•	0.3	0.3	1100	<2100	1.4
Portland Bill	c	c	c	oo	50	46	•	–	0.1	–	2200	•
Southampton (Calshot)	ofomm	oidcmbcf	off	om	48	42	39	trace	0.1	1330	–	1.1
Dungeness	oo	oo	oo	oo	47	44	•	0.3	–	<0800	–	•
Guernsey	ododm	oidom	o	oo	48	46	•	2	–	<0800	–	•



Observations from Cross Channel Steamers.

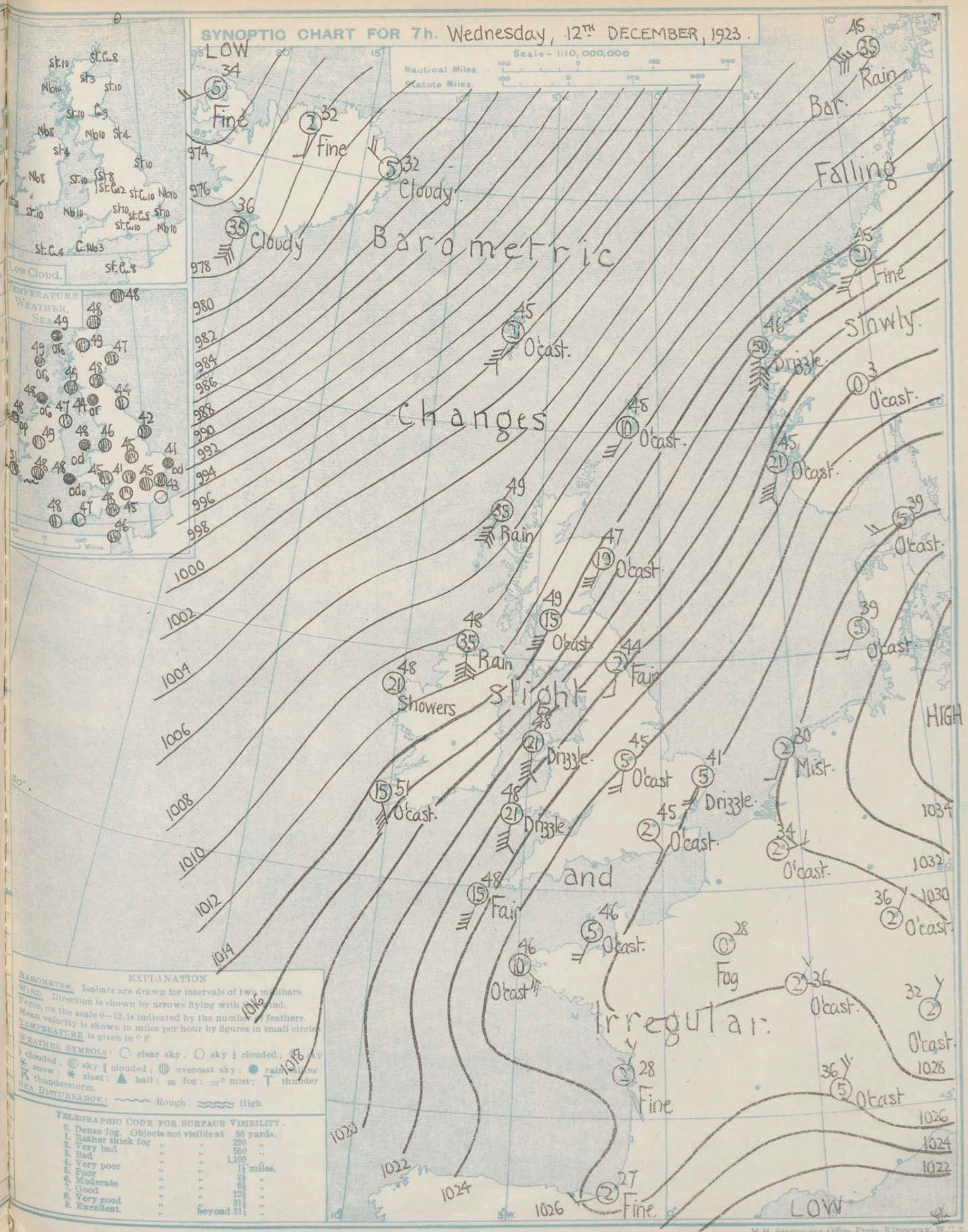
Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility.
2	11th 10.00	"Scoria"	S'W	4	cqu	49	50	8
1	11th 13.00	"Ibex"	N	2	o-	51	51	8
3	12th 0200	"Brighton"	W	2	o	46	50	8

GENERAL INFERENCE.

A large anticyclone covers the Continent, and pressure is lowest beyond Iceland. Winds will be mainly southerly, strong at times in the West and Northwest, and weather will continue mild, except possibly in the southeast and east of England where there may be some fall of temperature owing to a drift of air from the Continent. Further rain is likely in the West and Northwest and occasional drizzle elsewhere.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Wednesday, 12th December, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands	Wind southerly, light or moderate; cloudy or dull, occasional drizzle; some mist or fog; temperature probably falling somewhat.	None issued. -----
4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. E. Scotland 12. S.W. Scotland 13. Isle of Man	Wind southerly, moderate, fresh in places; cloudy or dull, occasional rain or drizzle; mist in places; mild.	∇ South Cone still flying. -------
14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands 17. N.W. Ireland	Wind southerly, fresh, stronger at times; cloudy or dull, occasional rain or drizzle; mist in places; mild.	
18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	As 4 - 13.	

§ For Code see opposite page.



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AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. Wednesday, 12th December 1923. No. 346.

Observations at 0100 G.M.T. 12th

STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10
Lerwick	54	1010.3	-1	SSW	3	bc	47	92	7	-	-	0	ASr	6
Stornoway	51	1006.8	-1	SW	7	r+	*	*	4	*	*	*	*	*
Wick	81	1009.2	-1	SSW	6	0	48	85	8	5700	StCu	5	ASr	10
Castlebay	37	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	82	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	46	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	71	1011.9	+1	S	7	0	50	92	8	4000	Nb	7	CiSt	10
Renfrew	28	*	*	*	*	*	*	*	*	*	*	*	*	*
Edinburgh (Inchkeith)	190	1016.2	-2	SW	3	0	47	85	8	*	StCu	4	ASr	10
Leuchars	30	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*
Tynemouth	118	1022.0	0	NNE	1	b	44	92	6	-	-	0	-	0
Blacksod Point	10	1011.0	0	SSE	8	0PR+	50	92	3	*	*	*	*	10
Donaghadee	35	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	175	*	*	*	*	*	*	*	*	*	*	*	*	*
Holyhead	26	1021.2	-1	S	5	odd	47	97	7	1500	Nb	10	-	10
Liverpool (Bidston)	189	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Shotwick)	16	*	*	*	*	*	*	*	*	*	*	*	*	*
Spurn Head	26	1021.2	-1	SSW	3	0	42	92	5	1500	Sr	10	-	10
Birmingham (Edgbaston)	526	*	*	*	*	*	*	*	*	*	*	*	*	*
Nottingham	82	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	237	1025.8	0	S'E	3	mmo	43	97	5	2500	Sr	10	-	10
Gorleston	13	1028.3	0	S	3	odd	40	97	5	4000	Nb	10	-	10
Valencia (Cahirciveen)	30	1015.2	0	SSW	4	0r+	51	92	8	-	StCu	10	-	10
Roches Point	32	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	149	1023.5	-1	S	4	od	47	97	8	1500	Nb	10	-	10
Ross-on-Wye	228	*	*	*	*	*	*	*	*	*	*	*	*	*
Leafield	556	*	*	*	*	*	*	*	*	*	*	*	*	*
Andover	295	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough	230	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.)	18	*	*	*	*	*	46	*	*	*	*	*	*	*
Croydon	244	1028.1	-1	S'W	3	odd	46	97	5	800	Sr	10	-	10
Clacton-on-Sea	54	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	20	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	350	1028.6	0	S	3	0	42	92	6	450	Sr	10	-	10
Scilly (St. Mary's)	131	1024.9	-1	SSW	3	bdo	48	97	8	4000	StCu	3	-	3
Falmouth (Pendennis)	200	1025.5	0	SW	4	0r	48	97	8	5700	StCu	9	-	9
Plymouth (Cattewater)	82	*	*	*	*	*	*	*	*	*	*	*	*	*
Portland Bill	19	1026.6	0	SSW	1	o/r	49	65	8	4000	StCu	10	-	10
Southampton (Calshot)	12	1027.8	-1	SE	1	mo-	43	97	4	450	Sr	10	-	10
Dungeness	21	1028.2	0	S	2	0	44	92	6	-	-	0	ASr	10
Guernsey														

Observations at 0700 G.M.T. 12th

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea 0-9
Lerwick	1010.4	0	SSW	3	0	48	92	7	-	-	0	ASr	10	2
Stornoway	1006.6	0	SSW	7	0r.	49	92	6	450	Sr	10	-	10	5
Wick	1010.4	0	SSW	4	0	48	92	8	5700	StCu	8	CiSt	9	3
Castlebay	1009.0	+1	SSW	4	0r.r.	49	92	7	1500	Nb	10	-	10	5
Nairn	1010.5	*	-	0	C	49	85	8	1500	Sr	3	ASr	7	*
Aberdeen	1015.3	0	SSW	3	0	47	92	7	1500	Sr	10	-	10	0
Malin Head	1011.4	-1	S	7	0r.	48	97	7	4000	Nb	8	ASr	10	5
Renfrew	1016.1	0	SSW	4	0	49	85	6	2500	Sr	10	-	10	*
Edinburgh (Inchkeith)	1016.7	-1	SSW	3	0-	48	85	9	*	Cu	9	-	9	1
Leuchars	1016.0	-1	SW	5	0	48	85	7	2500	StCu	9	-	9	*
Eskdalemuir	1013.3	-1	S	6	0rr	44	97	6	800	Nb	10	-	10	*
Tynemouth	1021.9	0	S	1	bc	44	85	6	800	Sr	4	-	4	0
Blacksod Point	1010.6	0	?	5	0PR+	48	92	3	*	*	*	*	10	8
Donaghadee	1017.5	0	SSW	3	bc-	47	92	8	800	Sr	4	-	4	3
Birr Castle	1016.8	*	S	5	C-	49	85	4	4000	Nb	8	-	8	*
Holyhead	1020.9	-1	S	5	odd	48	97	7	800	Sr	10	-	10	3
Liverpool (Bidston)	1022.7	0	SE'S	2	0	46	85	7	1500	Sr	10	-	10	3
Chester (Shotwick)	1022.9	-1	SSE	3	0	46	85	6	2500	Sr	10	-	10	
Spurn Head	1025.6	0	S'E	3	o/m	42	97	5	800	Sr	10	-	10	1
Birmingham (Edgbaston)	1025.3	-1	SSE	3	0	44	92	6	2500	StCu	10	-	10	*
Nottingham	1025.1	0	S	2	0	45	92	6	2500	StCu	10	-	10	*
Cranwell	1026.2	0	S'E	3	0	42	97	6	2500	StCu	10	-	10	*
Gorleston	1027.9	0	S'W	2	odd	41	92	6	2500	Nb	10	-	10	0
Valencia (Cahirciveen)	1014.9	0	S'E	4	o/r	51	85	7	800	Sr	10	-	10	6
Roches Point	1019.0	0	S	4	0	48	92	8	2500	Sr	10	-	10	6
Pembroke (St. Ann's H.)	1022.5	-1	SW	5	odo	48	97	8	1500	Nb	10	-	10	4
Ross-on-Wye	1024.6	-1	S	2	0	45	85	8	2500	StCu	10	-	10	*
Leafield	1026.2	-1	SSW	1	o/f	41	97	4	450	Sr	10	-	10	
Andover	1026.6	-1	S	2	0	43	97	5	1500	Sr	10	-	10	*
S. Farnborough	1026.7	-1	S	2	0	45	97	5	1500	StCu	10	-	10	*
London (Kew Obsy.)	1027.5	-1	S'E	1	0	45	97	5	2500	StCu	8	ASr	10	*
Croydon	1027.4	-1	S'W	2	odd	45	97	5	450	Sr	10	-	10	
Clacton-on-Sea	1027.4	0	SSE	2	0	43	97	6	2500	Sr	10	-	10	1
Shoeburyness	1028.0	0	SE	1	mmo	42	85	5	1500	Sr	10	-	10	*
Grain	1028.1	0	SE	2	0	42	92	6	2500	Sr	10	-	10	0
Lympne	1028.0	0	S	3	0	43	85	5	1500	Sr	10	-	10	*
Scilly (St. Mary's)	1023.9	-1	SSW	+	bc	48	97	8	4000	StCu	4	-	4	4
Falmouth (Pendennis)	1023.9	-1	SW	3	b-	47	85	8	5700	CuNb	3	-	3	0
Plymouth (Cattewater)	1025.3	-1	SW	3	0-	47	97	8	800	Sr	9	-	9	0
Portland Bill	1025.6	+1	SSW	2	0	48	85	8	4000	StCu	10	-	10	0
Southampton (Calshot)	1027.3	0	S	2	0	45	97	8	4000	StCu	10	-	10	0
Dungeness	1027.9	0	SW	2	0	45	75	6	-	-	0	ASr	10	2
Guernsey	1027.5	-1	SSW	2	0	46	85	8	4000	StCu	8	ASr	10	0

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 11th December

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 10th-11th °F.	Temperature. Max. Day. 11th °F.	Rainfall.† Night 17h.-9h. 10th-11th mm.	Rainfall.† Day 9h.-17h. 11th mm.	Sunshine.	Sunshine. Sunrise to Sunset. 11th hr.
Montrose	cmo	com	45	49	-	-		0.0
Berwick-on-Tweed	mze	zbcc	47	50	0.1	-		0.6
Llandudno	ccbc	ccb	46	52	-	-		3.0
Colwyn Bay	c	c	47	51	-	-		5.1
Rhyl	c	cbcc	44	51	-	-		0.6
Southport	coc	cobcb	44	49	0.2	-		0.0
Blackpool	*op	o	46	48	0.2	0.1		0.0
Ilkley	omgo	o	45	47	-	-		0.0
Harrogate	om	o	44	45	0.1	-		0.0
Skegness	of	ddofmo	38	44	0.1	Trace		0.0
Aberystwyth	ooc	b	45	48	-	-		1.8
Bath	-mbcb	bbcco	44	50	1	-		2.9
Leamington Spa	oc	oc	43	46	-	-		0.0
Lowestoft	f	f	38	45	-	-		0.0
Felixstowe	of	omf	39	44	0.2	-		0.0
Southend	o	orf	40	47	0.1	1		0.1
Ilfracombe	bcc	cbc	45	49	1	-		0.5
Bude	odcoc	d	42	51	1	1		2.0
Torquay	bcc	c	41	49	-	-		1.1
Weymouth	fc	co	40	50	0.2	-		0.5
Bournemouth	c	c	41	48	0.3	-		0.0
Portsmouth (S'thsea)	Fecb	ofc	43	48	-	-		1.6
Littlehampton	f	bcmf	42	47	1	-		0.0
Worthing	od	co	43	49	-	-		0.1
Brighton	fcdo	d	45	48	1	1		0.0
Eastbourne	oo	o	45	49	2	0.4		0.0
Hastings	ofdm	om	44	48	1	0.2		0.0
Folkestone	o	o	42	51	3	-		0.0
Dover	o	o	44	46	3	-		0.0
Tunbridge Wells	omo	odor	43	48	0.3	0.3		0.0
Ramsgate	o	o	42	47	1	-		0.0
Margate	o	o	41	46	1	-		0.0
Deal	ro	oc	41	46	0.4	-		0.0

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* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. § For code see page 3. ‡ See footnote page 1

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

Observations at 1300 G.M.T. 12th

STATIONS. (For heights see p. 4).	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Cloud Upper Form.	Cloud Total Amt. 0-10	State of ground.
Lerwick	1011·2	+2	SSW	3	ofG	48	92	6	4000	Nb	5	ASt	10	•
Stornoway	1010·5	+4	SW	3	orr₀	47	85	6	450	St	10	–	10	•
Wick	1011·3	+2	SSW	3	o	47	92	8	1500	St	4	ASt	10	•
Castlebay	1012·4	+1	WSW	3	oPR	46	92	8	1500	St	9	–	9	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	1015·9	–1	SSW	3	o	48	92	6	1500	St	10	–	10	1
Malin Head	1014·1	+3	SW	3	od₀	48	97	6	4000	Nb	8	ASt	10	•
Renfrew	1016·9	–0	SSW	3	or₀r₀	48	92	6	1500	Nb	10	–	10	2
Edinburgh (Inchkeith)	1017·0	+1	SW	3	c	48	85	8	•	StCu	3	CiCu	8	•
Leuchars	1016·5	+2	SW	5	o	50	75	7	1500	StCu	10	–	10	1
Eskdalemuir	1019·2	–0	SSW	6	odd	45	97	5	800	Nb	10	–	10	2
Tynemouth	1021·1	–1	S	3	bc	46	92	5	800	St	6	–	6	•
Blacksod Point	1015·1	+3	NW	3	opr₀	47	92	7	•	•	•	•	10	•
Donaghadee	1017·5	0	SSW	3	c+	49	85	8	800	St	8	–	8	•
Birr Castle	1018·2	*	S	2	or	50	92	7	4000	Nb	10	–	10	•
Holyhead	1020·7	–0	S'W	5	od	48	97	6	800	Nb	10	–	10	2
Liverpool (Bidston)	1022·0	–1	SSE	2	o	48	85	6	1500	CuNb	10	–	10	•
Chester (Shotwick)	1022·4	–1	SSE	2	o	48	85	8	2500	StCu	10	–	10	1
Spurn Head	1025·3	–0	S	3	omm	43	92	5	1500	StCu	10	–	10	•
Birmingham (Edgbaston)	1025·1	+1	SSE	3	o+	46	85	6	4000	CuNb	9	–	9	2
Nottingham	1024·6	–2	S	3	o	47	85	6	2500	StCu	10	–	10	•
Cranwell	1025·5	–1	S	3	o	46	92	6	2500	StCu	10	–	10	2
Gorleston	1027·2	–1	S'W	3	omm	42	92	5	1500	St	10	–	10	•
Valencia (Cahirciveen)	1016·3	0	S'E	5	od₀	50	97	6	800	St	10	–	10	1
Roches Point	1019·1	0	SSW	4	o	49	92	8	2500	St	10	–	10	•
Pembroke (St. Ann's H.)	1022·4	–0	SW	5	c	48	92	8	1500	StCu	7	–	7	•
Ross-on-Wye	1024·6	–1	S'W	3	o	47	85	8	2500	StCu	10	–	10	1
Leafield	1026·0	0	S	1	o	44	85	6	5700	StCu	10	–	10	•
Andover	1026·6	+0	S'W	2	o	44	85	7	4000	St	10	–	10	1
S. Farnborough	1026·8	–1	S'E	2	o	46	85	6	4000	StCu	10	–	10	1
London (Kew Obsy.)	1026·9	–2	S	1	o	48	85	6	2500	StCu	10	–	10	1
Croydon	1027·0	–2	S	2	odd₀	45	92	6	1500	StCu	10	–	10	2
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	1027·6	0	SW	1	mmo	44	85	5	1500	St	10	–	10	•
Grain	1027·8	–0	S	2	o	44	85	5	4000	St	10	–	10	2
Lympne	1028·3	–1	SSW	2	o	42	85	6	2500	StCu	9	–	9	2
Scilly (St. Mary's)	1023·3	–1	S'E	3	o	50	92	8	4000	StCu	10	–	10	•
Falmouth (Pendennis)	1023·8	–2	SW	4	bc–	48	92	8	5700	CuNb	5	–	5	•
Plymouth (Cattewater)	1025·1	–1	SW	3	c/r	47	97	7	800	St	8	–	8	2
Portland Bill	1026·0	+2	SSW	2	o	48	85	8	4000	StCu	10	–	10	•
Southampton (Calshot)	1027·3	–1	S'E	3	o	46	85	8	4000	StCu	10	–	10	0
Dungeness	1027·8	0	SW	2	o	45	75	7	4000	StCu	10	–	10	•
Guernsey	1026·9	–1	WSW	1	o	47	85	8	<150	StCu	10	–	10	•

Observations at 1800 G.M.T. 12th

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Cloud Upper Form.	Cloud Total Amt. 0-10	Sea. 0-9
Lerwick	1014·3	+5	SW	2	od₀	47	92	6	4000	Nb	10	–	10	1
Stornoway	1014·3	+4	–	0	c/r	44	85	7	800	St	8	–	8	0
Wick	1014·9	+4	SSW	1	o	45	97	9	1500	St	8	ASt	10	0
Castlebay	1016·0	+5	NW	1	bc/r	47	85	7	1500	St	6	–	6	2
Nairn	1016·1	•	–	0	odd	47	92	8	1500	Nb	9	–	9	•
Aberdeen	1017·3	+4	SSW	3	o	47	97	6	1500	St	10	–	10	0
Malin Head	1017·0	+4	WSW	1	or₀r₀	45	97	7	4000	Nb	10	–	10	1
Renfrew	1018·1	+2	SSW	3	oDD	48	97	5	800	Nb	10	–	10	•
Edinburgh (Inchkeith)	1017·7	+1	SW	3	bc–	47	92	8	•	–	0	ASt	6	1
Leuchars	1017·5	+3	SW	4	o	48	85	7	1500	St	7	ASt	9	•
Eskdalemuir	1019·9	+1	SSW	5	or₀r₀	44	97	4	450	Nb	10	–	10	•
Tynemouth	1021·1	0	SSW	2	b	46	92	5	–	–	0	ACu	1	0
Blacksod Point	1017·3	+1	NW	3	opr₀	46	92	6	•	•	•	•	10	5
Donaghadee	1018·2	+1	SW	3	o+	47	97	7	450	St	10	–	10	4
Birr Castle	1017·8	•	S'W	1	or₀	49	92	5	2500	Nb	10	–	10	•
Holyhead	1021·8	+2	S	4	o/r	48	97	6	800	Nb	10	–	10	3
Liverpool (Bidston)	1022·9	+1	SSE	2	c–	46	85	7	2500	Cu	7	–	7	2
Chester (Shotwick)	1023·1	+1	SE	3	o	46	85	6	4000	StCu	10	–	10	•
Spurn Head	1025·0	0	S	3	o/m	42	97	5	1500	St	10	–	10	1
Birmingham (Edgbaston)	1025·4	+1	SSE	3	o	45	85	6	2500	Nb	10	–	10	•
Nottingham	1025·2	+1	S	2	o	46	85	6	2500	StCu	10	–	10	•
Cranwell	1025·6	+1	S'W	3	o	44	92	6	2500	StCu	10	–	10	•
Gorleston	1027·1	0	S	3	mo–	40	97	6	1500	St	10	–	10	0
Valencia (Cahirciveen)	1017·3	+2	S'E	5	or₀r₀	50	97	6	450	St	10	–	10	*
Roches Point	1019·9	+1	S	4	o	48	97	8	2500	St	10	–	10	6
Pembroke (St. Ann's H.)	1022·8	0	SW	5	cjp	48	92	8	1500	Nb	7	–	7	4
Ross-on-Wye	1024·9	0	SSW	2	od₀	46	85	7	2500	St	10	–	10	•
Leafield	1026·4	0	S	2	o	42	92	3	5700	StCu	10	–	10	•
Andover	1026·5	0	S	1	o	43	92	7	4000	St	10	–	10	4
S. Farnborough	1026·8	0	S'E	2	o	44	97	5	2500	StCu	10	–	10	•
London (Kew Obsy.)	1026·9	+1	SSE	1	o	45	92	5	2500	StCu	10	–	10	•
Croydon	1027·0	0	S'E	2	o/r	43	97	5	1500	StCu	10	–	10	•
Clacton-on-Sea	1027·0	0	SE	1	o	43	92	5	4000	St	10	–	10	0
Shoeburyness	1027·2	0	SW	1	mmo	43	85	4	1500	St	10	–	10	•
Grain	1027·3	0	S	1	o	42	92	6	4000	St	10	–	10	0
Lympne	1027·2	+1	SE'S	2	o	40	92	6	4000	StCu	10	–	10	•
Scilly (St. Mary's)	1023·6	0	S'E	3	o	50	97	8	4000	StCu	10	–	10	3
Falmouth (Pendennis)	1024·2	+1	SW	4	o	49	85	8	5700	StCu	10	–	10	0
Plymouth (Cattewater)	1025·3	+1	SSW	3	c–	48	85	8	1500	St	8	–	8	0
Portland Bill	1025·1	0	S	2	o	48	75	7	4000	StCu	10	–	10	0
Southampton (Calshot)	1026·9	+1	SE'S	2	o	45	85	7	4000	StCu	10	–	10	0
Dungeness	1026·9	0	–	0	o	44	85	7	4000	St	10	–	10	1
Guernsey	1026·9	0	S	1	o	46	85	7	4000	StCu	10	–	10	0

LONDON OBSERVATIONS. (Weather, Temperature, Rainfall: 24 HOURS ENDED 0900 G.M.T. 13th)

London Observations	Height above M.S.L. in feet	Weather Morning	Weather Afternoon	Weather Night	Temp. Max. °F.	Temp. Min. °F.	Min. on Grass °F.	Rainfall mm. Day	Rainfall mm. Night	Sunshine to Sunset, hrs. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)	Visibility 9h.
Kew } 24 hours ended 0700	18	om	om	obrm	•	•	38	tr	tr	0·0	•	•	4
Croydon } 24 hours ended 0700	244	omd₀d₀	od₀d₀m	omd₀d₀	•	•	39	0·2	0·1	0·0	•	•	4
Greenwich (Royal Obsy.)	149	od	o	od	46	42	35	–	–	0·0	94	92	3
City (Bunhill Row)	80	•	•	•	•	•	•	•	•	0·0	•	•	•
Westminster (St. James' Pk.)	27	•	•	•	48	43	40	–	–	0·0	83	88	•
Regent's Pk. (Botanic Gdns).	168	•	•	•	•	•	•	•	•	0·0	•	•	•
Camden Square	110	o	o	•	48	43	39	–	–	•	•	92	•
Kensington Palace	80	o	o	•	48	42	34	–	–	•	At 18h	92	•
Hampstead Observatory	450	•	•	•	45	41	35	tr	–	0·0	92	94	•

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 1800 G.M.T. 12th.

South Kensington Max.	Time.	Min.	Time.

Kew Observatory Max.	Time.	Min.	Time.

POLE STAR RECORD at Greenwich Obsy.

Exposure from 12th 17 h. 09 m. to 13th 06 h. 45 m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	13 45	0 0	Nil
δ Ursae Minoris	13 45	0 0	Nil

CODE FOR STATE OF GROUND.
0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.[1]

Time.	Type.	No. per 4 sec.	Stren.	Direc.
13h.	c,c₂	c	–	140°
18h.	c	5	–	165°
01h.	c	5	–	150°
07h.	c	5	–	145°

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.

13th–14th December, 1923.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7·58	11·47	3·36
	7·59	11·48	3·36
Greenwich	7·59	11·54	3·49
	8·00	11·55	3·49
Wick	8·56	12·06	3·16
	8·57	12·07	3·16
Valencia	8·43	12·35	4·27
	8·44	12·36	4·27

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, " less than 200 m.
m mist, " 1000—10000 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. r rain. s snow.
rs sleet t thunder.
u ugly, threatening sky.
v unusual visibility. w dew.
x hoar frost. y dry air.
z dust haze; the turbid atmosphere of dry weather.
h(r)="hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity.
R = heavy rain. r_o = slight rain.
rr = continuous rain.

SYMBOLS.

< = { less than (for cloud height). before (for precipitation).
⊕ = solar halo. ♨ = lunar halo.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions, thus:—bc/r = fair weather after rain; – = "decreasing"; + = "increasing."

The BEAUFORT SCALE of WIND is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers, is the speed at about 30 feet above the ground.

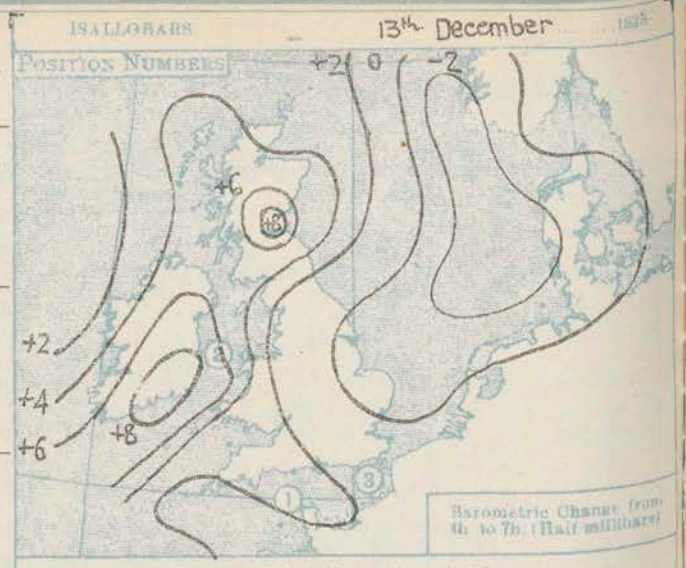
SEA DISTURBANCE.
0=no swell } Calm or slight sea.
1=mod. swell
2=heavy swell
3=no swell } Moderate sea.
4=mod. swell
5=heavy swell
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1- 3
2	4- 7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
–	Above 75

[1] For explanation see Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 12th.	13h.-18h. 12th.	18h. 12th to 1h. 13th.	1h.-7h. 13th.	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS.	RAINFALL.† Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began	SUN. 12th. Hours.
Lerwick	omp	omd	bc	o	48	44	•	1	trace	<0800	<2100	0·0
Stornoway	r	r	b-bc	bc	49	38	•	3	-	-	-	0·0
Wick	oo	oddov	oo	oo	48	41	•	0·4	-	1430	-	•
Castlebay	rop	oPb	bco	opb	49	44	•	2	0·4	-	-	0·0
Nairn	cbcc	cdgo	cdirg	cbc	52	39	•	1	3	1330	-	1·5
Aberdeen	oo	ocmom	oor	orr	48	40	39	-	8	-	2400	0·0
Malin Head	omido	mroro	mroro	ir	50	41	•	3	4	<0800	<2100	0·0
Renfrew	oproo	omdd	omdd	oddcbc	50	40	36	1	3	<0800	<2100	0·0
Edinburgh (Inchkeith)	c	c	oo	ororo	49	41	•	-	1	-	0330	0·0
Leuchars	coq	oqoo	oro	ororo o	50	40	37	-	4	-	<2100	1·0
Eskdalemuir	ordm	orm	orm	ormo	45	39	38	7	15	<0800	<2100	0·0
Tynemouth	b-bcm	m	b-bcm	cm	47	42	40	-	-	-	-	•
Blacksod Point ...	p	p	p	p	50	39	•	5	1	-	-	•
Donaghadee	do	om	or	cb	49	41	•	-	8	-	<2100	•
Birr Castle	ocir	coiro	oRR	bcx	50	36	27	1	5	1100	<2100	0·0
Holyhead	idm	iDm	oid	oRQr	49	44	42	3	2	<0800	<2100	0·1
Liverpool (Bidston) ...	ocm	c	r-d	r-d	49	44	40	-	0·4	-	0330	0·0
Chester (Shotwick) ...	omo	oom	obcobgm	oddmq	49	44	42	-	0·2	-	2400	0·3
Spurn Head	ofom	ooif	oo	oo	43	41	•	-	-	-	-	0·0
Birmingham (Edgbaston)	om	oiro	oo	oo	46	41	39	trace	-	1230	-	0·0
Nottingham	oo	oo	o	oo	47	43	40	-	-	-	-	0·0
Cranwell	oo	oo	om	oo	46	43	40	-	-	-	-	0·0
Gorleston	om	om	oo	omd	43	40	39	-	trace	-	0630	0·0
Valencia (Cahirciveen)	omrd	omr	ormo	bcb	51	38	32	8	9	0800	<2100	0·0
Roches Point	oo	odo	odrr	rrb	49	41	•	0·3	6	1530	<2100	
Pembroke (St. Ann's H.)	dpb	cpd	opd	orr	49	44	•	1	1	<0800	<2100	1·3
Ross-on-Wye	oo	oo	og	oo	47	44	42	-	-	-	-	0·0
Leafield	oo	co	co	do	44	39	37	-	2	-	0230	0·0
Andover	omo	oo	oom	obrm	45	41	39	-	0·2	-	0330	0·0
S. Farnborough ...	om	oom	om	odm	47	42	36	-	0·2	-	0430	0·0
London (Kew Obsy.) ...	om	om	omom	ombnd	48	42	38	trace	trace	-	0630	0·0
Croydon	omdodo	ododom	om	omdd	46	41	39	0·2	0·1	<0800	0530	0·0
Clacton-on-Sea ...	ogm	ogm	ogm	ogm	43	41	40	-	-	-	-	0·0
Shoeburyness	om	om	om	om	45	39	39	trace	trace	-	-	0·0
Grain	om	oo	om	om	44	40	38	-	trace	-	0630	0·0
Lympne	om	om	om	om	43	40	37	-	-	-	-	0·0
Scilly (St. Mary's) ...	codo	o	oo	oo	50	47	•	0·2	-	<0800	-	0·2
Falmouth (Pendennis)	bcpbc	bcco	co	co	49	48	•	0·2	-	0900	-	1·6
Plymouth (Cattewater)	orrc	cbcp	co	oo	51	47	*	1	-	<0800	-	1·4
Portland Bill	oo	oo	r-d	r-d	49	46	•	-	trace	-	2200	•
Southampton (Calshot)	oo	oo	oo	odo	47	42	41	-	0·2	-	0530	0·0
Dungeness	oo	oo	oo	oo	45	42	•	-	-	-	-	•
Guernsey	om	om	om	o	47	45	•	-	-	-	-	•



Observations from Cross Channel Steamers.

Position.	Date and Time	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility.
2	12th 1010	"Scotia"	S'W	6	cbgu	49	50	7-8

GENERAL INFERENCE.

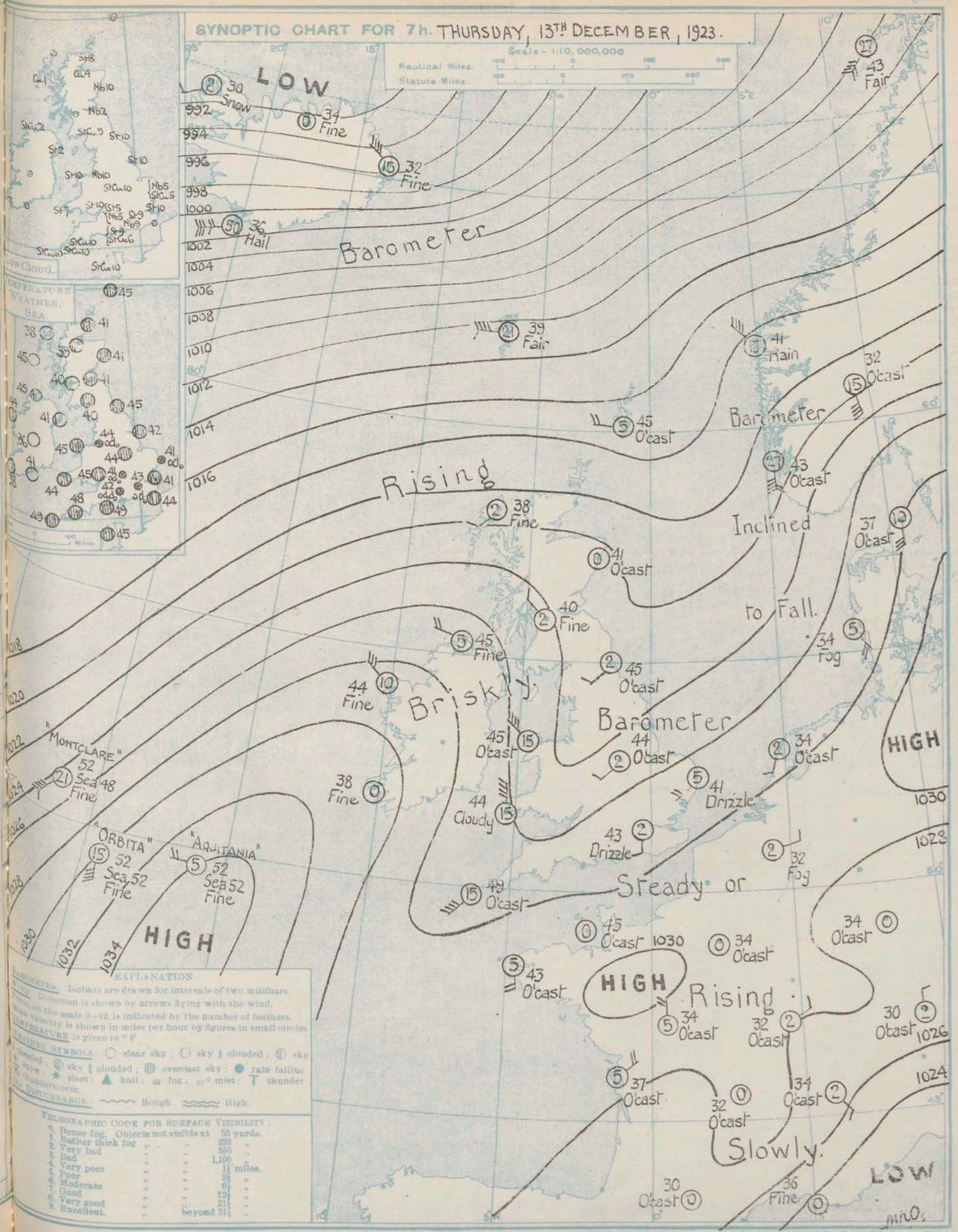
An anticyclone off the Southwest Coasts is spreading over the country in the rear of a shallow trough of low pressure passing across England. Winds will be mainly light, westerly in the North and variable in the South, with mainly fair weather, but some rain or drizzle is likely at first over Eastern England and fog will develop at night in most parts. Temperature will be lower with frost at night.

Districts.	Forecasts for the 24 hours commencing 15 h. G.M.T. Thursday, 13th December, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands	Wind variable, mainly light; some rain or drizzle at first, then fair apart from fog in places night and morning; colder, frost at night.	Probably becoming milder and less fair again in the West and North, but continuing colder for a time in the South-East with some fog and frost.
4. W. Midlands 5. S.W. England 6. South Wales	Wind variable, mainly light; fair apart from fog in places night and morning; colder than of late, frost in places at night.	
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands 17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind mainly westerly, light or moderate; mainly fair; mist or fog in places night and morning; colder than of late, frost in places at night.	

MR.

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0915 G.M.T. G. C. SIMPSON, F.R.S., Director.

§ For Code see opposite page.



H.M. Stationery Office Press, Kingsway, W.C.2

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. Thursday, 13th December 1923. No. 347

Observations at 0100 G.M.T. 13th

STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10
Lerwick	54	1015.9	0	SW	2	bc	45	97	7	-	-	0	asc	5
Stornoway	51	1018.2	+3	W	1	co-	•	•	5	•	•	•	•	•
Wick	81	1017.3	+1	WSW	1	0	43	92	8	800	Sc	10	-	10
Castlebay	37	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	46	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	71	1020.7	+2	-	0	0/0	43	97	7	5700	Nb	4	asc	10
Renfrew	38	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	190	1017.9	0	SSW	2	0	47	92	8	•	-	0	asc	10
Leuchars	36	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	794	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	118	1022.0	0	SW	1	b	43	92	6	-	-	0	-	0
Blacksod Point	10	1023.7	+2	NW	2	b	45	85	7	•	•	•	•	2
Donaghadee	35	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	175	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	26	1021.8	+1	SW	4	0/r	49	92	8	1500	Sc	10	-	10
Liverpool (Bidston)	189	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick)	16	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	26	1025.1	-1	S	2	0	42	92	5	1500	Sc	10	-	10
Birmingham (Edgbaston)	525	•	•	•	•	•	•	•	•	•	•	•	•	•
Nottingham	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	237	1023.8	0	SSW	3	0	43	92	6	4000	Scu	10	-	10
Gorleston	13	1023.9	0	SW	1	0	41	92	6	4000	Sc	10	-	10
Valencia (Cahirciveen)	30	1025.3	+5	-	0	b	45	92	8	-	-	0	-	0
Roches Point	32	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	149	1023.8	0	SSW	4	0	49	92	8	2500	Sc	10	-	10
Ross-on-Wye	223	•	•	•	•	•	•	•	•	•	•	•	•	•
Leafield	556	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	295	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough	230	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.)	18	•	•	•	•	•	44	•	•	•	•	•	•	•
Croydon	244	1027.3	0	SSW	2	0	42	92	6	2300 (800)	Sc	4	asc	10
Clacton-on-Sea	54	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	11	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	20	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	350	1027.4	0	W	1	0	41	92	6	800	Sc	10	-	10
Scilly (St. Mary's)	131	1025.1	+2	S	4	0	49	92	8	4000	Scu	10	-	10
Falmouth (Pendennis)	200	1026.2	+1	SWW	4	0	48	75	8	5700	Scu	10	-	10
Plymouth (Cattewater)	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	19	1026.3	0	SSW	2	0/0	48	92	8	2500	Nb	10	-	10
Southampton (Calshot)	12	1027.8	0	SW	2	0	45	85	8	4000	Scu	10	-	10
Dungeness	21	1027.9	0	SW	2	0	44	92	7	-	-	0	asc	10
Guernsey														

1025.4

Observations at 0700 G.M.T. 13th

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea 0-9
Lerwick	1017.3	+2	W	2	0	45	85	7	-	-	0	asc	10	1
Stornoway	1021.3	+5	SW	1	b	38	92	8	-	-	0	-	0	0
Wick	1020.0	+3	W	2	0	41	92	8	1500	Sc	8	asc	10	0
Castlebay	1023.8	+4	WNW	3	b	45	75	8	4000	Cu	1	-	1	3
Nairn	1022.3	•	-	0	bc-	39	85	8	4000	Cu	4	-	4	•
Aberdeen	1022.4	+5	-	0	0/r	41	97	7	1500	Nb	10	-	10	0
Malin Head	1026.2	+4	WNW	2	b/r	45	85	8	5700	Scu	2	-	2	2
Renfrew	1024.3	+5	NW	1	b-	40	92	7	-	-	0	-	0	•
Edinburgh (Inchkeith)	1022.5	+10	-	0	0/r	41	97	8	•	Nb	2	asc	9	0
Leuchars	1022.3	+9	-	0	0/r	40	97	7	1500	Sc	10	-	10	•
Eskdalemuir	1023.5	+5	NE	3	0	40	85	7	2500	Scu	9	-	9	•
Tynemouth	1022.3	+1	SW	1	0+	45	92	6	800	Sc	10	-	10	0
Blacksod Point	1028.7	+2	NW	3	b	44	85	7	•	•	•	•	2	5
Donaghadee	1025.1	+6	W	2	b-	41	97	8	800	Sc	2	-	2	2
Birr Castle	1028.6	•	WSW	1	b	36	97	6	-	-	0	-	0	•
Holyhead	1025.4	+7	NW'N	4	0/r	45	92	8	2500	Sc	10	-	10	4
Liverpool (Bidston)	1023.8	+1	SW'W	3	od₀	44	97	7	1500	Nb	10	-	10	3
Chester (Shotwick)	1023.3	0	W'N	6	odd	45	92	6	1500	Nb	10	-	10	•
Spurn Head	1024.6	0	S	3	0	42	97	5	1500	Sc	10	-	10	1
Birmingham (Edgbaston)	1025.8	0	SSE	3	0-	43	92	6	2500	Scu	10	-	10	•
Nottingham	1025.4	0	SW	1	0	44	92	5	2500	Scu	10	-	10	•
Cranwell	1025.5	0	SW'S	3	0	43	97	6	4000	Scu	10	-	10	•
Gorleston	1027.3	0	SW	2	od₀	41	97	6	4000	Nb	10	-	10	0
Valencia (Cahirciveen)	1030.4	+5	-	0	b	38	97	7	4000	Sc	1	-	1	6
Roches Point	1029.6	+9	NNW	2	b	41	97	8	-	-	0	-	0	0
Pembroke (St. Ann's H.)	1026.4	+2	N	4	c-	44	97	8	2500	Sc	7	-	7	4
Ross-on-Wye	1025.8	0	SW	2	0	45	85	7	2500	Sc	10	-	10	•
Leafield	1027.0	+1	SW	2	od₀	41	97	6	4000	Sc	10	-	10	•
Andover	1027.4	0	SE	1	0	41	97	5	2500	Scu	10	-	10	•
S. Farnborough	1027.6	0	SSE	1	odd₀	42	97	5	1500	Nb	9	-	9	•
London (Kew Obsy.)	1027.7	0	S	1	od₀	43	92	6	1500	Sc	9	-	9	•
Croydon	1027.5	0	SSW	2	0/r	41	97	6	800	Sc	7	asc	10	•
Clacton-on-Sea	1027.4	0	-	0	0	41	97	5	2500	Sc	10	-	10	0
Shoeburyness	1027.7	0	W	1	ff0	42	85	5	2500	Scu	10	-	10	•
Grain	1028.2	0	SW	1	od₀	41	92	5	2500	Nb	10	-	10	0
Lympne	1027.9	+1	NW	2	0	41	97	5	4000	Scu	8	asc	10	•
Scilly (St. Mary's)	1026.7	+1	SW	4	0	49	97	8	4000	Scu	10	-	10	4
Falmouth (Pendennis)	1027.2	+2	W	2	0	48	85	8	5700	Scu	10	-	10	0
Plymouth (Cattewater)	1027.4	+1	WSW	3	0	49	85	8	4000	Scu	10	-	10	0
Portland Bill	1027.0	+2	SW	2	0/r	49	75	8	4000	Scu	10	-	10	0
Southampton (Calshot)	1028.1	0	SE	2	0/r	43	97	7	1500	Scu	10	-	10	0
Dungeness	1027.2	+1	WSW	2	0	44	92	7	-	-	0	asc	10	2
Guernsey	1028.3	+1	-	0	0	45	85	8	4000	Scu	10	-	10	0

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 12th December

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 11th-12th °F.	Temperature. Max. Day. 12th °F.	Rainfall.† Night 17h.-9h. 11th-12th mm.	Rainfall.† Day 9h.-17h. 12th mm.	Sunshine.	Sunshine. Sunrise to Sunset. 12th hr.
Montrose	ocbc	co	45	50	-	-		0.2
Berwick-on-Tweed	ocbcv	bcbyv	46	49	-	-		3.5
Llandudno	bc	ocb	46	53	-	-		2.8
Colwyn Bay	cbc	bc	45	49	-	-		0.1
Rhyl	c	c	45	51	-	-		0.4
Southport	oc	o	43	48	-	-		0.5
Blackpool	oc	o	43	48	-	-		0.2
Ilkley	om	gom	43	48	-	-		0.0
Harrogate	om	o	41	47	-	-		0.0
Skegness	mo	om	41	43	-	-		0.0
Aberystwyth	occ	o	45	49	-	-		0.3
Bath	o	oc	44	48	-	-		0.0
Leamington Spa	oc	oc	43	47	-	-		0.0
Lowestoft	omo	o	41	43	-	-		0.0
Felixstowe	om	om	41	42	1	-		0.0
Southend	o	o	40	43	1	-		0.0

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 11th-12th °F.	Temperature. Max. Day. 12th °F.	Rainfall.† Night 17h.-9h. 11th-12th mm.	Rainfall.† Day 9h.-17h. 12th mm.	Sunshine.	Sunshine. Sunrise to Sunset. 12th hr.
Ilfracombe	co	oco	46	50	-	0.1		0.5
Bude	cbcb	cbcc	45	51	0.3	-		2.1
Torquay	co	co	43	48	0.1	0.4		0.0
Weymouth	o	o	47	51	0.4	-		0.0
Bournemouth	o	o	43	47	-	-		0.0
Portsmouth (S'thsea)	omo	omf	45	48	2	-		0.0
Littlehampton	ocm	ocm	44	46	0.4	0.1		0.0
Worthing	gdo	ego	44	46	1	1		0.0
Brighton	o	o	45	54	1	2		0.0
Eastbourne	o	o	45	46	0.1	-		0.0
Hastings	o	om	44	46	-	-		0.0
Folkestone	o	o	42	46	-	-		0.0
Dover	ocbc	bccm	43	44	-	-		0.0
Tunbridge Wells	o	od	44	45	3	0.0		2.1
Ramsgate	obc	oco	42	46	-	-		2.0
Margate	o	obc	41	47	-	-		3.0
Deal	moc	occm	42	44	-	-		

TERMS OF SUBSCRIPTION.—6/6 per quarter or 25/- per year, post free. Single copies may be obtained at the Meteorological Office, price 1d.

* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. § For code see page 3. ‡ See footnote page 1

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.22667 Friday 14th December 1923.

Observations at 1300 G.M.T. 13th. / Observations at 1800 G.M.T. 13th.

STATIONS. (For heights see p.4).	1300: Barom. at M.S.L. mb.	Change in 3 Hours‡	Wind Direc.	Wind Force 0-12	Weather	Temp. °F.	Humidity %	Visibility§ 0-9	Cloud Low Height Feet	Low Form	Low Amt. 0-10	Upper Form	Total Amt. 0-10	State of ground	1800: Barom. at M.S.L. mb.	Change in 3 Hours‡	Wind Direc.	Wind Force 0-12	Weather	Temp. °F.	Humidity %	Visibility§ 0-9	Cloud Low Height Feet	Low Form	Low Amt. 0-10	Upper Form	Total Amt. 0-10	Sea 0-9
Lerwick	1021.0	+4	W	1	b-	45	75	7	4000	Cu	1	-	1	•	1023.0	+5	W	1	b	44	85	7	4000	Cu	1	-	1	0
Stornoway	1024.7	+3	SW	2	b	45	85	8	-	-	0	-	0	•	1023.1	-2	SW	3	b	44	85	8	-	-	0	-	0	2
Wick	1024.8	+4	W	2	bc+	42	92	8	2500	CuNb	3	Ci	5	•	1025.5	+1	SW	2	b	39	92	8	-	-	0	CiSt	1	0
Castlebay	1027.1	+2	W	4	b+	47	75	8	4000	Cu	2	-	2	•	1026.0	0	SW	5	o+	48	75	8	1500	St	10	-	10	4
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1027.3	•	W	1	bc	37	85	8	4000	Cu	3	CiCu	5	•
Aberdeen	1026.7	+4	W	1	b	43	85	7	-	-	0	Ci	1	2	1029.4	+2	W	1	b	38	85	5	-	-	0	-	0	0
Malin Head	1029.4	+2	WSW	2	b	46	92	6	-	-	0	Ci.Cu	1	•	1030.1	0	S	3	c+	44	92	7	5700	StCu	8	-	8	2
Renfrew	1029.0	+3	W	1	b+	48	75	6	-	-	0	A St	3	2	1031.4	+5	SE	1	b	33	97	4	-	-	0	-	0	•
Edinburgh (Inchkeith)	1027.9	+4	WSW	2	mmb	43	85	5	•	-	0	Ci	1	•	1029.8	+3	SW	1	mmb	40	97	6	•	-	0	-	0	0
Leuchars	1027.0	+4	W	2	b₀	44	75	7	-	-	0	-	0	1	1029.7	+3	W	1	b	35	92	8	-	-	0	Ci	1	•
Eskdalemuir	1028.5	+3	W'N	3	b	43	75	8	-	-	0	Ci	1	2	1031.5	+2	SE	1	b	35	92	6	-	-	0	ACu	2	•
Tynemouth	1027.5	+5	NW	1	bc/r	43	85	6	4000	CuNb	4	-	4	•	1031.0	+5	W	1	b	40	92	6	-	-	0	-	0	0
Blacksod Point	1032.3	+3	SW	2	o	47	85	7	•	•	•	•	10	•	1031.5	+1	SW	4	o	46	85	7	•	•	•	•	10	5
Donaghadee	1029.6	+1	W	2	b	46	85	8	450	St.	3	-	3	•	1031.4	+1	W	1	b	37	97	7	-	-	0	-	0	2
Birr Castle	1032.1	-x	WSW	1	b+	43	97	7	4000	StCu	2	-	2	•	1033.6	•	S	1	b	38	97	6	4000	StCu	1	-	1	•
Holyhead	1030.3	+2	NNW	3	b	47	85	8	2500	Cu	2	-	2	2	1032.9	+3	NW	1	b	45	92	8	-	-	0	-	0	1
Liverpool (Bidston)	1029.3	+3	WNW	2	bc+	44	85	8	2500	CuNb	5	-	5	•	1032.7	+4	WNW	3	b	42	97	8	-	-	0	CiSt	2	3
Chester (Shotwick)	1029.4	+5	NW	4	c	46	85	8	2500	StCu	6	Ci	8	1	1032.3	+3	-	0	mb+	37	97	4	4000	StCu	1	-	1	•
Spurn Head	1026.5	+1	NNW	4	o₀o+	42	92	7	4000	Nb	10	-	10	•	1030.0	+5	WNW	4	opr₀	42	92	7	2500	Nb	9	-	9	2
Birmingham (Edgbaston)	1028.1	+2	W	5	bc-	44	75	6	4000	Cu	6	-	6	2	1032.3	+5	WNW	4	mmb	41	92	5	-	-	0	-	0	•
Nottingham	1027.0	+1	N	4	o	45	85	6	1500	Nb	9	CiSt	10	•	1031.7	+4	NNW	2	o	42	85	5	2500	StCu	9	-	9	•
Cranwell	1026.4	0	W	F3	o	45	97	5	800	St.	10	-	10	2	1030.8	+5	NNW	3	o	41	92	6	2500	StCu	10	-	10	•
Gorleston	1026.2	0	SW	1	o-	45	85	6	5700	StCu	9	-	9	•	1028.9	+1	NW	3	odod₀	44	97	5	2500	Nb	10	-	10	0
Valencia (Cahirciveen)	103[illegible].9	+2	-	0	b	45	85	8	2500	StCu	1	CiCu	2	2	1034.9	+2	SE	2	b	43	92	8	2500	St	2	-	2	4
Roches Point	1033.4	+2	N	1	b	46	85	6	-	o	0	Ci	1	•	1035.0	+3	E	1	b	40	92	7	-	-	0	CiSt	2	0
Pembroke (St. Ann's H.)	1029.9	+3	N	3	b	46	85	8	2500	Cu	3	-	3	•	1033.5	+2	N	2	b-	41	92	8	2500	Cu	1	-	1	3
Ross-on-Wye	1028.3	+3	N'W	2	bc	46	75	9	4000	Cu	1	Ci	4	1	1032.0	+5	NNE	1	c	43	85	8	4000	StCu	8	-	8	•
Leafield	1029.2	0	NW'W	2	c-	44	97	4	2500	Nb	8	-	8	x	1031.9	+4	NNW	2	o+	42	85	3	4000	StCu	9	-	9	•
Andover	1028.4	0	WSW	3	o	48	85	7	1500	StCu	5	ASt	10	1	1031.4	+5	N	2	o	43	85	7	1500	St	10	-	10	4
S. Farnborough	1028.5	0	WSW	3	opr₀	48	85	6	2500	StCu	7	ASt	10	2	1030.7	+4	NW	2	o	44	85	5	800	St	10	-	10	•
London (Kew Obsy.)	1028.0	-1	SW	2	opr₀	48	85	5	4000	StCu	6	ASt	10	1	1030.7	+3	NNW	4	od₀	45	85	6	1500	Nb	10	-	10	•
Croydon	1028.3	-1	WSW	2	o+	48	85	6	4000	StCu	5	ASt	10	2	1031.0	+5	NWN	3	o	45	85	6	1500	St	10	-	10	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1028.4	+2	WSW	2	o	45	97	5	2500	St	10	-	10	0
Shoeburyness	1028.0	0	WSW	2	mmo	47	85	5	4000	St.	10	-	10	•	1029.4	+2	WNW	4	od₀	45	85	7	1500	St	10	-	10	•
Grain	1028.1	-1	SW'W	3	o/r	46	85	6	4000	St.	10	-	10	2	1029.2	+2	NW'W	3	o	45	92	6	1500	St	10	-	10	0
Lympne	1027.7	-3	WSW	3	o	45	85	6	800	StCu	8	CiSt	9	2	1028.8	+1	WNW	3	o/r	44	92	6	2500	StCu	10	-	10	•
Scilly (St. Mary's)	1030.9	+3	NNE	4	c-	48	92	8	4000	StCu	8	-	8	•	1033.0	+3	N	2	o	47	85	8	4000	StCu	10	-	10	3
Falmouth (Pendennis)	1029.9	+3	N	4	o/r	48	85	8	5700	StCu	9	-	9	•	1032.4	+3	N'W	3	b-	45	75	8	5700	StCu	2	-	2	0
Plymouth (Cattewater)	1029.3	+1	NNW	3	b-	49	85	8	2500	St.	3	-	3	1	1032.3	+3	NNW	3	b	44	85	7	-	-	0	-	0	0
Portland Bill	1028.1	+2	WSW	3	od₀	49	92	7	2500	Nb	10	-	10	•	1030.2	+4	NNE	3	b	45	85	7	-	-	0	-	0	1
Southampton (Calshot)	1028.9	-1	SW	3	o/m	50	85	7	2500	StCu	3	ACu	9	2	1031.2	+5	NNW	4	o/r	45	85	7	2500	StCu	9	-	9	3
Dungeness	1028.1	-9	WSW	3	bc-	47	85	7	4000	St	6	-	6	•	1029.3	+1	WSW	2	o/p	45	97	7	-	-	0	ASt	10	3
Guernsey	1030.7	0	W	4	o	47	92	8	5700	StCu	5	ACu	10	•	1030.8	+2	WNW	1	odod₀	48	97	5	800	Nb	10	-	10	1

LONDON OBSERVATIONS.	Height above M.S.L. in feet	Weather Morning	Weather Afternoon	Weather Night	Temperature Max. °F.	Min. °F.	Min. on Grass °F.	Rainfall mm. Day	Rainfall Night	Sunshine to Sunset, hrs.	Humidity 15h. G.M.T. %	Humidity 9h. G.M.T. %	Visibility 9h.
		24 Hours ended 0900 G.M.T. 14th.								Yesterday.		To-day.	
Kew	18	omom	opgmd	omdo ox	•	•	27	tr	-	0.4	•	•	1
Croydon (24 hours ended 0700)	244	oocm	omdd	omomx	•	•	27	0.1	-	0.8	•	•	3
Greenwich (Royal Obsy.)	149	c	o	odobm	48	34	25	-	-	0.5	93	94	3
City (Bunhill Row)	80	•	•	•	•	•	•	•	•	0.0	•	•	•
Westminster (St. James' Pk.)	27	•	•	•	48	34	27	-	-	0.3	88	92	•
Regent's Pk. (Botanic Gdns).	168	•	•	•	•	•	•	•	•	0.1	•	•	•
Camden Square	110	c	oodo	•	48	34	29	-	-	•	•	93	•
Kensington Palace	80	bc	o	•	48	34	27	-	-	•	(At 18h	89	•
Hampstead Observatory	450	•	•	•	46	31	21	tr	-	0.4	85)	92	•

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 1800 G.M.T. 13th.

South Kensington Max.	Time.	Min.	Time.
1.0	19h. 12th.	0.3	1h. 13th.
1.0	9h. 13th.		

Kew Observatory Max.	Time.	Min.	Time.
0.5	19h. 12th.	<0.3	1h. 13th.
0.7	9h. 13th.		

POLE STAR RECORD at Greenwich Obsy.

Exposure from 13th. 1700 h. m. to 14th. 0645 h. m.

Stars.	Exposure h. m.	Record h. m.	%
Polaris	13 45	4 42	34
δ Ursae Minoris	13 45	4 09	30

CODE FOR STATE OF GROUND.
0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain, or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.¹

Time.	Type.	No. per 4 sec.	Stren.	Direc.
13h.	C	5	-	145°
18h.	C	5	-	115°
01h.	C	5	-	120
07h.	C	5	-	125

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.

14th.-15th. December, 1923.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7.59 / 8.00	11.48 / 11.48	3.36 / 3.36
Greenwich	8.00 / 8.01	11.55 / 11.55	3.49 / 3.49
Wick	8.57 / 8.58	12.07 / 12.07	3.16 / 3.16
Valencia	8.44 / 8.45	12.36 / 12.36	4.27 / 4.27

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, „ less than 200 m.
m mist, „ 1000—10000 m.
h hail. l intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. r rain. s snow.
rs sleet t thunder.
u ugly, threatening sky.
v unusual visibility. w dew.
x hoar frost. y dry air.
z dust haze; the turbid atmosphere of dry weather.
h(r)="hail" or "rain and hail."
Capital letters indicate intense; suffix ₀ indicates slight; repetition of letters indicates continuity.
R = heavy rain. r₀ = slight rain.
rr = continuous rain.

SYMBOLS.

< = { less than (for cloud height). before (for precipitation).
⊕ = solar halo. ♁ = lunar halo.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions, thus:—bc/r = fair weather after rain; - = "decreasing"; + = "increasing."

The BEAUFORT SCALE of WIND is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers, is the speed at about 30 feet above the ground.

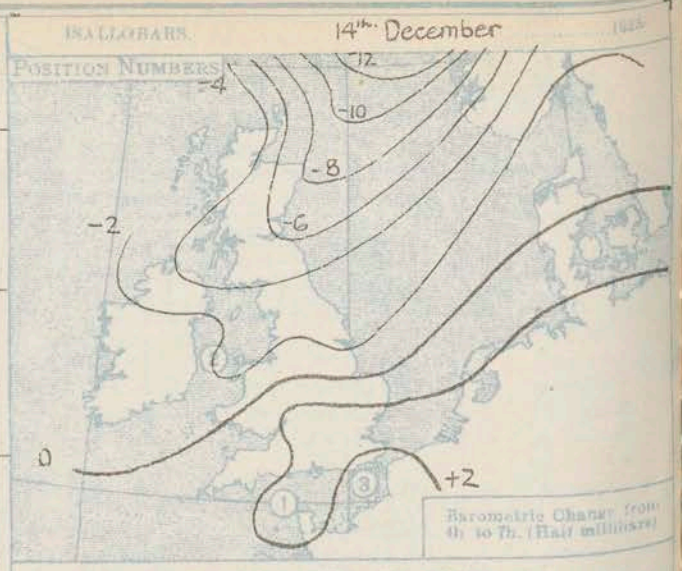
SEA DISTURBANCE.
0=no swell } Calm or
1=mod. swell } slight
2=heavy swell } sea.
3=no swell } Moderate
4=mod. swell } sea.
5=heavy swell }
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1-3
2	4-7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

¹ For explanation see Introduction. • Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 13th	13h.-18h. 13th	18h. 13th to 1h. 14th	1h.-7h. 14th	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS.	RAINFALL.† Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began.	SUN 13th Hours.
Lerwick	bc	b	c	omr	46	43	•	0.1	6	<0800	0230	3.2
Stornoway	b-bc	b-bc	rd	opq	45	43	•	-	3	-	-	2.8
Wick	b-bc	b-bc	orr	old	42	39	•	-	0.5	-	2400	•
Castlebay	b-bc	bpo	OO	or	48	47	•	0.2	0.2	-	-	4.0
Nairn	bc	bc	bccag	cgq	42	37	•	-	-	-	-	4.7
Aberdeen	ocbm	bbm	bmco	oo	43	35	27	-	-	-	-	4.8
Malin Head	bcm	bccoz	cobc	bcco	48	41	•	-	-	-	-	4.5
Renfrew	bm	bbmx	bmxo	oor	48	32	25	-	trace	-	-	4.9
Edinburgh (Inchkeith)	m	mmb	mo	oo	44	39	*	trace	-	-	-	4.3
Leuchars	ocbb	ocbbc	bbcco	oo	44	33	26	-	-	-	-	5.2
Eskdalemuir	ocb	bcb	bbcc	co	44	30	25	-	-	-	-	5.7
Tynemouth	rr	m	bbcm	bcm	45	37	35	1	-	<0800	-	•
Blacksod Point	b-bc	b-bc	c	c	47	35	•	-	0.2	-	-	•
Donaghadee	bc	b	c	o	47	36	•	-	-	-	-	•
Birr Castle	bc	bc	bc	bcx	46	34	26	-	-	-	-	5.0
Holyhead	ocbcb	bb	bbw	b	47	39	31	-	trace	-	-	6.2
Liverpool (Bidston)	pobcb	b		bbc	46	37	32	0.5	-	<0800	-	5.7
Chester (Shotwick)	oddbcc	cbbm	bmbf	bfx	48	30	26	0.4	-	<0800	-	4.9
Spurn Head	omr	p	bbc	bcfbf	44	37	•	0.3	0.1	1100	<2100	0.0
Birmingham (Edgbaston)	bc	bcobm	boffe	ofbc	44	33	27	0.2	-	0900	-	0.2
Nottingham	ldom	c	ocbf	f-m	49	30	27	0.3	-	0900	-	0.2
Cranwell	dm	oo	ocbcm	bmcof	46	30	26	0.1	-	<0800	-	0.0
Gorleston	omdcm	cmodm	ov	ocm	48	38	35	0.3	0.2	1530	<2100	0.7
Valencia (Cahirciveen)	bx	b	bc	cmom	49	39	33	-	0.1	-	-	6.1
Roches Point	bz	bzb	bx	bo	48	35	•	-	0.1	-	-	
Pembroke (St. Ann's H.)	c	bbc	bbc	b. bc	47	40	•	-	-	-	-	4.5
Ross-on-Wye	roev	bvbcc	cb	bcbmx	47	27	23	0.4	-	0900	-	2.4
Leafield	od	co	ffo	ffo	44	30	25	0.6	-	<0800	-	0.7
Andover	ofdoo	oddco	ob	bofx	48	30	24	0.3	-	1430	-	0.5
S. Farnborough	omompr	oldom	om	ofx	49	29	22	0.1	-	1230	-	0.56
London (Kew Obsy.)	omemom	ompomomdo	obbmx	48	35	27	trace	-	1330	-	0.4	
Croydon	obcm.	omdd	om	ocmx	49	34	27	0.1	-	1530	-	0.8
Clacton-on-Sea	agmpd	agm	agmog	agbcm	45	36	33	0.3	-	0900	-	0.0
Shoeburyness	om	omold	oldc	bcbmx	47	35	30	0.2	trace	1530	-	0.1
Grain	orcom	omeom	omo	omcbm	48	35	30	0.1	-	1100	-	1.2
Lympne	om	omr	omr	ob	45	35	32	trace	0.1	0900	<2100	0.2
Scilly (St. Mary's)	op	co	bc	bc	50	41	•	2	-	<0800	-	0.2
Falmouth (Pendennis)	codco	cobc	bcb	b	51	37	•	0.4	-	0900	-	2.0
Plymouth (Cattewater)	orb	bob	bx	bxm	49	32	*	trace	-	0900	-	1.2
Portland Bill	rd	bbc	bbc	b. bc	49	39	•	trace	-	1100	-	•
Southampton (Calshot)	opmo	odldm	omb	bmcof	50	33	32	0.1	-	<0800	-	1.0
Dungeness	c	c	oo	c	53	37	•	-	trace	-	<2100	•
Guernsey	ocbcc	ocbm	ocb	oco	48	44	•	0.6	0.4	1630	<2100	



Observations from Cross Channel Steamers.

Position	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility
2	13th 1000	"Scotia"	NW'W	4	bv	45	49	9
1	13th 1200	"Ibex"	NW	4	bc+	50	51	7
3	14th 0200	"Brighton"	NNE	5	bc-	49	45	3

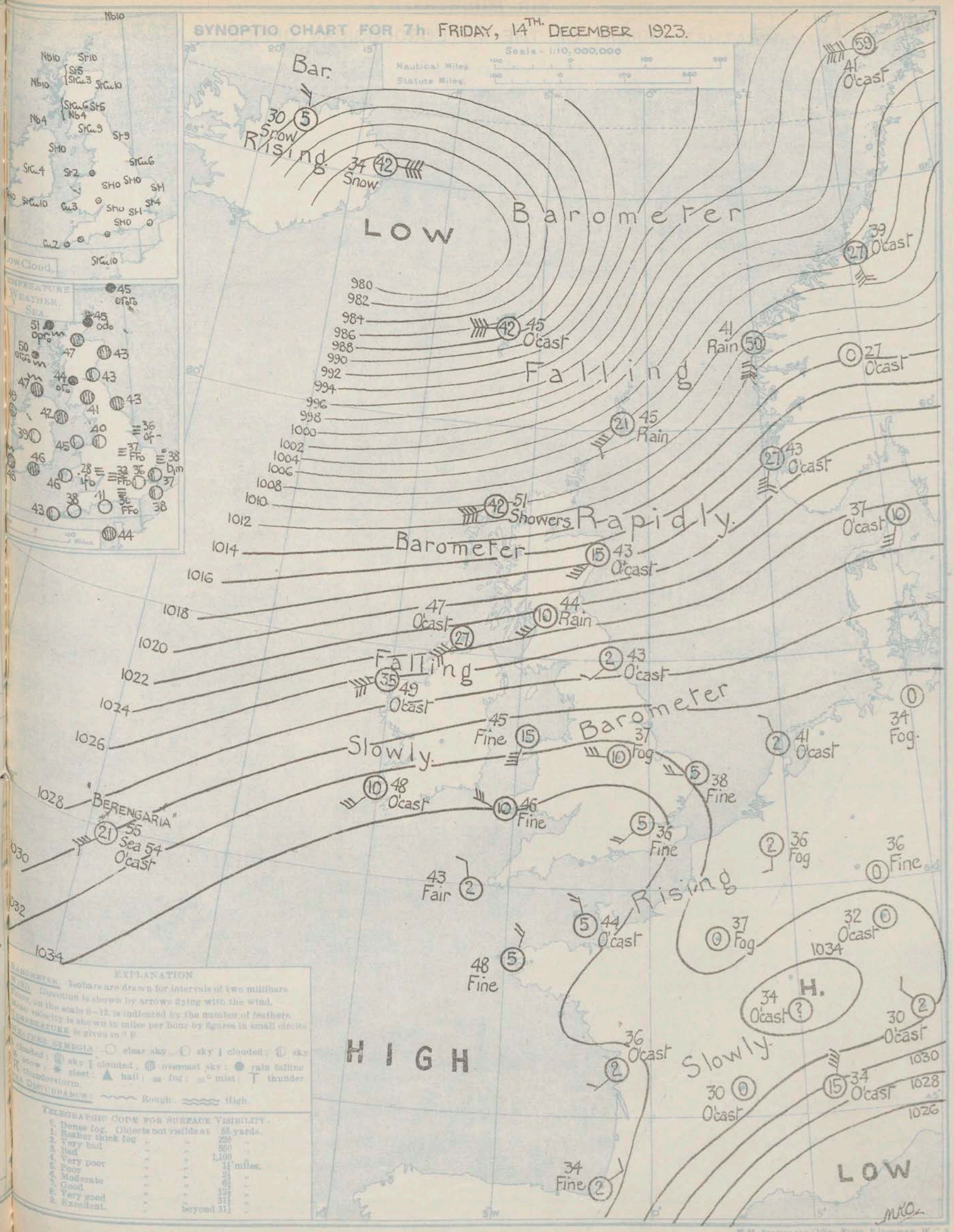
GENERAL INFERENCE.

The anticyclone off the Southwest Coasts and over the Continent will maintain fair weather for a time in the extreme south of the Kingdom, where winds will freshen somewhat from S.W. with a gradually rising temperature. Further North, winds will be southwesterly, strong, a gale in places, veering later, with unsettled weather and a falling temperature after a mild period.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Friday, 14th, December, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England	Wind variable to southwesterly, light to moderate or fresh; mainly fair, risk of rain or drizzle later; visibility moderate or good; temperature rising gradually.	Unsettled in the North; mainly fair in the South.
6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands 17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind southwesterly, strong, a gale in places, veering later; much cloud at first, fair intervals later; some rain; visibility moderate or good; mild then colder.	South Cone hoisted at ▽ 1940 on 13/12 ▼ 0310 on 14/12.

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0900 G.M.T. G. C. SIMPSON, F.R.S., Director.

§ For Code see opposite page.



H.M. Stationery Office Press, Kingsway, W.C.2

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION Friday 14th December 1923. No. 348

Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb. (0100, 14th)	Change in 3 Hours‡	Wind Direc.	Wind Force 0-12	Weather	Temp. °F.	Humidity %	Visibility§ 0-9	Low Cloud Height Feet	Low Cloud Form	Low Cloud Amt. 0-10	Upper Form	Total Amt. 0-10	Barom. at M.S.L. mb. (0700, 14th)	Change in 3 Hours‡	Wind Direc.	Wind Force 0-12	Weather	Temp. °F.	Humidity %	Visibility§ 0-9	Low Cloud Height Feet	Low Cloud Form	Low Cloud Amt. 0-10	Upper Form	Total Amt. 0-10	Sea 0-9
Lerwick	54	1014.3	-6	SSW	3	o	45	80	6	-	-	0	A St	10	1006.9	-11	SW	5	or0r0	45	97	6	4000	Nb	10	-	10	4
Stornoway	51	1014.2	-8	SW	4	R	*	*	4	*	*	*	*	*	1010.0	-3	WSW	8	opr0	51	85	6	800	Nb	10	-	10	7
Wick	81	1018.5	-8	SW	4	orr	44	94	8	2500	Nb	10	*	10	1010.6	-4	SW	6	od0	45	97	7	800	St	10	-	10	3
Castlebay	37	*	*	*	*	*	*	*	*	*	*	*	*	*	1016.6	-3	W	6	or0r0	50	97	6	1500	Nb	10	-	10	7
Nairn	82	*	*	*	*	*	*	*	*	*	*	*	*	*	1012.3	*	WSW	6	c+	47	85	8	1500	St	8	-	8	*
Aberdeen	46	*	*	*	*	*	*	*	*	*	*	*	*	*	1017.3	-8	SW	4	o	43	85	6	4000	StCu	10	-	10	0
Malin Head	71	1026.4	-3	SW	6	b	44	92	8	[illegible]	[illegible]	[illegible]	ACu	1	1022.3	-4	SW	6	o	47	97	8	5700	Nb	4	ASt	10	5
Renfrew	38	*	*	*	*	*	*	*	*	*	*	*	*	*	1023.5	-5	SW	3	or0	44	85	6	1500	StCu	10	-	10	*
Edinburgh (Inchkeith)	190	1028.8	-2	WSW	3	o/f	40	85	8	*	-	0	ASt	10	1020.7	-6	SW	5	bc-	43	85	8	*	St	5	-	5	3
Leuchars	36	*	*	*	*	*	*	*	*	*	*	*	*	*	1021.0	-4	W	6	o	44	85	7	2500	StCu	10	-	10	*
Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	1026.1	-4	SSW	6	o	41	85	7	2500	StCu	9	-	9	*
Tynemouth	118	1031.6	0	W	1	b.	38	92	6	-	-	0	-	0	1027.2	-3	SW	1	o+	43	85	6	1500	St	9	-	9	1
Blacksod Point	10	1029.4	-2	WSW	4	o	44	80	?	*	*	*	*	10	1026.5	-1	WSW	7	o	49	85	?	*	*	*	*	10	6
Donaghadee	35	*	*	*	*	*	*	*	*	*	*	*	*	*	1027.5	-2	SSW	2	o+	42	97	8	450	St	10	-	10	2
Birr Castle	175	*	*	*	*	*	*	*	*	*	*	*	*	*	1031.1	*	S	1	bc-	39	97	4	4000	StCu	4	-	4	*
Holyhead	26	1033.4	0	S'W	2	b	42	94	8	-	-	0	-	0	1031.7	-3	SW'S	4	b+	45	85	8	4000	St	2	CiSt	3	2
Liverpool (Bidston)	189	*	*	*	*	*	*	*	*	*	*	*	*	*	1031.9	-1	SSW	3	bc+	40	85	6	-	-	0	ASt	5	3
Chester (Shotwick)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	1032.3	-2	SE	3	ff0b	31	97	3	-	-	0	ACu	1	*
Spurn Head	26	1032.8	+1	W	4	bc	34	92	6	-	-	0	-	0	1031.4	-1	SW	2	Fo-	36	97	2	4000	StCu	6	ACu	10	1
Birmingham (Edgbaston)	525	*	*	*	*	*	*	*	*	*	*	*	*	*	1033.5	0	SW	4	bc	35	97	6	-	-	0	Ci	5	*
Nottingham	82	*	*	*	*	*	*	*	*	*	*	*	*	*	1032.5	0	W	3	FFo	37	97	1	450	St	10	-	10	*
Cranwell	237	1033.6	+1	W'S	3	mmo	33	94	6	-	-	0	-	0	1032.1	-1	WSW	3	FFo	34	97	1	<220	St	10	-	10	
Gorleston	13	1030.9	-1	NNW	3	o	43	85	8	5700	StCu	10	-	10	1031.9	+1	W	2	ffb	38	97	5	2500	St	1	Ci	2	0
Valencia (Cahirciveen)	30	1034.3	+1	W'N	2	c	45	92	6	-	-	0	ASt	8	1033.3	-1	SW	3	o	48	85	6	1500	St	10	-	10	6
Roches Point	32	*	*	*	*	*	*	*	*	*	*	*	*	*	1033.7	-1	WSW	1	o	46	92	8	4000	StCu	10	-	10	0
Pembroke (St. Ann's H.)	140	1035.0	+2	-	0	b	43	92	4	-	-	0	-	0	1033.8	0	W'N	3	b+	46	85	8	4000	Cu	3	-	3	3
Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	1034.1	-2	S	1	iFb	28	97	2	-	-	0	Ci	1	*
Leafield	558	*	*	*	*	*	*	*	*	*	*	*	*	*	1035.5	+2	SW	2	FFo	32	97	1	<150	St	10	-	10	*
Andover	295	*	*	*	*	*	*	*	*	*	*	*	*	*	1034.7	0	W'N	2	FFo	30	97	1	<150	St	10	-	10	*
S. Farnborough	230	*	*	*	*	*	*	*	*	*	*	*	*	*	1034.5	+1	-	0	FFo	30	97	1	<150	St	10	-	10	*
London (Kew Obsy.)	18	*	*	*	*	*	46	*	*	*	*	*	*	*	1034.6	+2	SW	2	b	36	92	6	2500	St	1	Ci	2	*
Croydon	244	1033.2	+2	N	2	o	42	85	6	2500	StCu	4	ASt	10	1034.3	+1	W'S	1	bc-	34	97	6	-	-	0	CiSt	4	*
Clacton-on-Sea	54	*	*	*	*	*	*	*	*	*	*	*	*	*	1033.0	+2	NW	3	bc-	37	92	6	2500	St	4	-	4	0
Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	1033.5	+2	NW	1	ffo	36	85	4	5700	StCu	1	-	1	0
Grain	20	*	*	*	*	*	*	*	*	*	*	*	*	*	1033.6	+3	NW	3	b-	35	92	6	1500	St	2	-	2	*
Lympne	350	1031.5	+3	N	4	o/r	41	92	6	800	St	10	-	10	1033.0	+2	N	4	b+	35	85	6	2500	StCu	3	-	3	
Scilly (St. Mary's)	131	1035.0	+3	NNE	1	bc+	44	94	8	4000	StCu	5	-	5	1035.5	0	N	1	bc	43	97	8	4000	Cu	2	ACu	5	2
Falmouth (Pendennis)	200	1035.4	+2	N'W	1	b-	41	92	8	-	-	0	-	0	1035.5	+1	-	0	b	38	92	8	-	-	0	-	0	0
Plymouth (Cattewater)	82	*	*	*	*	*	*	*	*	*	*	*	*	*	1035.4	0	N	1	mb	33	97	6	-	-	0	ACu	1	0
Portland Bill	19	1033.9	+2	NNE	3	b	40	75	4	-	-	0	-	0	1033.9	0	NNE	1	b	41	75	7	-	-	0	-	0	0
Southampton (Calshot)	12	1034.3	+2	W	3	b-	34	92	4	-	-	0	-	0	1035.2	+1	NW'N	3	Fo+	33	97	1	<150	St	10	-	10	0
Dungeness	21	1031.5	+3	N	3	bc-	43	92	8	-	-	0	ASt	6	1032.8	+1	N	2	bc-	38	92	8	-	-	0	ACu	4	3
Guernsey															1034.6	+2	NNE	2	o	~~44~~	85	8	4000	StCu	10	-	10	0

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 13th

Stations	Weather Forenoon	Weather Afternoon	Temperature Min. Night 12th-13th °F.	Temperature Max. Day 13th °F.	Rainfall† Night 17h.-9h. 12th-13th mm.	Rainfall† Day 9h.-17h. 13th mm.	Sunshine	Sunshine Sunrise to Sunset 13th hr.
Montrose	bcb	bbcm	40	44	6	-		5.0
Berwick-on-Tweed	prdv	cbcb3	40	48	2	-		4.3
Llandudno	bc	cbc	43	47	2	-		3.0
Colwyn Bay	c	c	42	46	3	-		1.5
Rhyl	bcc	c	43	46	t	-		1.1
Southport	b	b	42	44	2	-		5.8
Blackpool	bc	b	42	45	4	-		5.9
Ilkley	od0m	bcbb	43	46	0.4	0.5		2.1
Harrogate	ob	bbcb	42	44	1	-		2.7
Skegness	opoc	od	40	46	Trace	0.1		0.8
Aberystwyth	rcb	b	44	45	2	-		6.0
Bath	omr	mocbc	43	47	0.3	0.5		0.4
Leamington Spa	od	o	42	46	1	0.1		0.0
Lowestoft	fido	oco	41	46	0.3	0.1		0.5
Felixstowe	om	omf	40	45	-	0.2		0.6
Southend	o	o	40	46	-	-		0.0

Stations	Weather Forenoon	Weather Afternoon	Temperature Min. Night 12th-13th °F.	Temperature Max. Day 13th °F.	Rainfall† Night 17h.-9h. 12th-13th mm.	Rainfall† Day 9h.-17h. 13th mm.	Sunshine	Sunshine Sunrise to Sunset 13th hr.
Ilfracombe	oic	cbccb	46	50	2	0.2		1.0
Bude	odocc	b	43	48	0.3	-		2.6
Torquay	c	b	45	50	0.1	-		0.7
Weymouth	bcodo	cb	44	48	0.5	0.2		0.8
Bournemouth	c	c	44	49	0.5	-		0.5
Portsmouth (S'thsea)	ocm	ocdm	40	49	0.5	Trace		0.4
Littlehampton	ocmbc	bcomr	41	47	-	-		0.8
Worthing	oc	cf	42	48	0.3	-		0.8
Brighton	ooco	o	43	50	-	-		0.7
Eastbourne	o	o	43	48	2	-		0.0
Hastings	od0mo	ocom	42	47	0.5	0.3		0.0
Folkestone	fmo	codf	40	46	-	Trace		0.1
Dover	omc	od,cmo	42	47	-	Trace		0.2
Tunbridge Wells	coco	obco	40	48	0.3	-		1.0
Ramsgate	bbcc	bcoom	41	47	-	0.2		0.3
Margate	ooc	oc	39	47	-	-		0.1
Deal	mop	bcc	38	46	-	-		0.0

TERMS OF SUBSCRIPTION.—6/6 per quarter or 25/- per year, post free. Single copies may be obtained at the Meteorological Office, price 1d.

* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. § For code see page 3. ‡ See footnote page 1

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B. 22668 Saturday 15th December 1923.

Observations at 1300 G.M.T. 14th

STATIONS. (For heights see p.4).	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	State of ground.
Lerwick	1003.7	0	WSW	7	0	48	88	6	2500	St	4	ASt	10	*
Stornoway	1009.9	0	W	5	0PR	44	92	6	450	St	10	-	10	*
Wick	1007.7	-2	W	4	0r	47	88	8	1500	St	4	ASt	10	*
Castlebay	1015.4	0	WSW	5	or	45	88	7	1500	Nb	10	-	10	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1012.8	-6	SW	4	or_o	46	88	6	1500	Nb	8	ASt	10	1
Malin Head	1018.1	-4	SW'W	6	OD	48	97	6	4000	Nb	8	ASt	10	*
Renfrew	1017.3	-7	SW	4	orr_o	47	92	6	800	Nb	10	-	10	2
Edinburgh (Inchkeith)	1016.7	-5	WSW	5	0+	46	92	8	*	StCu	10	-	10	*
Leuchars	1014.6	-7	SW	6	odd_o	46	92	6	800	Nb	10	-	10	1
Eskdalemuir	1019.8	-9	SW	7	or	41	97	5	450	Nb	10	-	10	2
Tynemouth	1021.7	-7	S	2	0	46	88	6	1500	St	9	-	9	*
Blacksod Point	1023.8	-2	W	5	0r	49	97	6	*	*	*	*	10	*
Donaghadee	1022.3	-3	WSW	4	cjp	45	88	8	450	St	8	-	8	*
Birr Castle	1029.0	*	SW	2	0+	48	78	7	4000	Nb	10	-	10	*
Holyhead	1028.3	-5	SW'S	5	0	47	88	7	1500	StCu	5	CiSt	9	1
Liverpool (Bidston)	1027.4	-6	SW	3	bc-	46	78	7	4000	StCu	3	Ci	6	*
Chester (Shotwick)	1027.8	-6	SW	3	c	49	88	8	4000	StCu	2	ACu	8	1
Spurn Head	1026.5	-5	SW	4	mo-	40	92	5	4000	StCu	10	ASt	10	*
Birmingham (Edgbaston)	1026.0	-5	S	4	0+	38	92	6	-	-	0	ASt	9	2
Nottingham	1028.6	-5	WSW	3	0	40	88	5	1500	Nb	5	CiSt	10	*
Cranwell	1028.6	-5	WSW	4	0	41	92	6	-	-	0	ACu	10	2
Gorleston	1029.7	-2	SW	2	mmo	39	92	5	5700	StCu	9	-	9	*
Valencia (Cahirciveen)	1031.6	-2	SW	4	0	50	75	8	2500	St	10	-	10	2
Roches Point	1031.1	-3	WSW	4	0	48	88	8	2500	StCu	10	-	10	*
Pembroke (St. Ann's H.)	1031.7	-3	WSW	4	c	48	78	8	4000	StCu	8	-	8	*
Ross-on-Wye	1030.2	0	SW	3	0	42	88	6	-	-	0	ASt	9	1
Leafield	1031.9	-5	SW	3	ffo	38	97	2	4150	St	10	-	10	*
Andover	1033.0	-3	-	0	FFc	34	97	1	-	-	0	Ci	7	1
S. Farnborough	1032.9	-2	WSW	3	0+	42	92	6	-	-	0	Ci	9	2
London (Kew Obsy.)	1032.3	-5	SW	1	fc-	37	92	3	-	-	0	Ci	8	1
Croydon	1032.3	-5	SW	2	c	44	78	6	-	-	0	ACu	8	2
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1032.3	-2	SW	1	mmc	43	78	5	2500	St	6	Ci	7	*
Grain	1032.8	-2	SW	3	0+	45	78	5	-	-	0	CiSt	7	2
Lympne	1031.6	-4	NW	3	c	44	78	6	2500	StCu	3	ACu	8	2
Scilly (St. Mary's)	1034.8	-2	W	3	c	48	92	8	4000	Cu	4	CiCu	7	*
Falmouth (Pendennis)	1034.8	-2	W	3	bc+	48	78	8	5700	StCu	4	-	4	*
Plymouth (Cattewater)	1033.9	-4	WNW	1	mo-	44	88	5	-	-	0	CiSt	9	1
Portland Bill	1033.2	-4	NW	2	0+	46	88	7	4000	Cu	2	CiSt	8	*
Southampton (Calshot)	1033.8	-4	WSW	2	mo-	41	92	4	-	-	0	CiSt	10	2
Dungeness	1032.7	-1	N	2	bc+	47	88	6	-	-	0	ACu	5	*
Guernsey	1034.3	-1	N	2	bc+	46	88	8	4000	Cu	2	Ci	5	*

Observations at 1800 G.M.T. 14th

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1003.5	0	W	6	bcph$_o$	43	75	7	4000	CuNb	5	CiCu	6	5
Stornoway	1012.3	+3	WNW	6	bc/r	43	65	8	4000	Cu	4	-	4	5
Wick	1009.3	+2	W	3	bcpr$_o$	38	92	8	2500	CuNb	5	Ci	6	0
Castlebay	1018.2	+5	W	5	cjp	45	85	8	1500	CuNb	7	-	7	7
Nairn	1013.6	*	W	2	bc/r	41	85	8	4000	Cu	2	CiCu	5	*
Aberdeen	1013.4	+2	WNW	3	b-	42	85	8	-	-	0	ACu	1	0
Malin Head	1021.6	+3	NW	6	bcr	45	85	7	4000	Nb	3	CiCu	6	6
Renfrew	1018.8	+4	W	4	b	43	85	7	2500	St	1	-	1	*
Edinburgh (Inchkeith)	1015.8	+4	WSW	5	b/r	45	92	8	*	-	0	ACu	3	3
Leuchars	1014.5	+4	WSW	5	b/r	45	85	8	2500	StCu	3	-	3	*
Eskdalemuir	1018.6	0	WNW	5	or_o	43	85	5	1500	Nb	10	-	10	*
Tynemouth	1018.1	-3	S	2	od_o	45	92	6	800	Nb	10	-	10	2
Blacksod Point	?	+1	NW	5	o/r	47	75	7	*	*	*	*	10	6
Donaghadee	1020.9	+1	WSW	3	0+	47	85	8	450	St	10	-	10	4
Birr Castle	1026.2	*	NW	2	0R	48	97	5	2500	Nb	10	-	10	*
Holyhead	1024.8	-3	SW	5	o/r	48	92	8	2500	StCu	10	-	10	3
Liverpool (Bidston)	1023.8	-4	SW	5	0	46	85	7	1500	St	10	-	10	4
Chester (Shotwick)	1023.9	-4	WSW	5	or_o	47	~~83~~ 75	7	2500	StCu	9	Ci	10	*
Spurn Head	1021.4	-5	SW	6	o/m	42	85	5	1500	St	10	-	10	4
Birmingham (Edgbaston)	1026.6	-3	SSW	4	0	43	85	6	2500	StCu	10	-	10	*
Nottingham	1024.2	-5	WSW	3	0	42	85	6	2500	Nb	10	-	10	*
Cranwell	1024.6	-4	SW'W	4	0	41	92	6	4000	St	2	CiSt	10	*
Gorleston	1026.8	-2	SW'W	3	mo	38	92	5	4000	StCu	9	-	9	0
Valencia (Cahirciveen)	1029.4	-1	SW'W	5	orr_o	50	97	6	800	St	10	-	10	4
Roches Point	1029.2	-2	WSW	3	0	48	92	8	4000	StCu	10	-	10	3
Pembroke (St. Ann's H.)	1028.9	-3	W	4	c	48	75	8	2500	StCu	7	-	7	4
Ross-on-Wye	1027.6	-3	WSW	3	0	45	75	8	4000	StCu	10	-	10	*
Leafield	1028.4	-3	W	4	mb-	40	97	5	4000	Cu	3	-	3	*
Andover	1028.3	-2	WSW	4	0	42	92	6	2500	StCu	10	-	10	4
S. Farnborough	1029.8	-2	WSW	3	0	39	97	5	4000	StCu	10	-	10	*
London (Kew Obsy.)	1029.2	-2	SW	3	c-	41	85	5	1500	St	2	ASt	7	*
Croydon	1029.7	-2	WSW	4	0+	41	85	6	2500	StCu	8	CiSt	10	*
Clacton-on-Sea	1028.3	-2	WSW	3	c	41	85	5	-	-	0	ASt	7	1
Shoeburyness	1029.2	-4	S	1	mbc-	39	85	6	4000	St	2	Ci	4	*
Grain	1029.2	-3	SW	4	b-	40	85	6	-	-	0	Ci	3	0
Lympne	1029.8	-2	W	4	b	37	85	6	-	-	0	ASt	3	*
Scilly (St. Mary's)	1033.5	-2	W'N	4	0	48	97	8	4000	StCu	10	-	10	3
Falmouth (Pendennis)	1032.7	0	WNW	3	0+	46	75	8	5700	StCu	9	-	9	0
Plymouth (Cattewater)	1032.8	0	W	3	0	46	85	8	2500	StCu	10	-	10	0
Portland Bill	1031.1	-2	WNW	3	c	46	75	7	4000	Cu	8	-	8	1
Southampton (Calshot)	1031.2	-2	SW'W	3	bc/m	41	92	7	-	-	0	Ci	4	0
Dungeness	1030.1	-3	W	3	bc-	43	85	7	-	-	0	CiCu	6	4
Guernsey	1032.9	0	W	3	c	44	92	7	4000	Cu	7	-	7	0

LONDON OBSERVATIONS.

	Height above M.S.L. in feet.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Temperature. Max. °F.	Temperature. Min. °F.	Min. on Grass. °F.	Rainfall. mm. Day.	Rainfall. mm. Night.	Sunshine to Sunset, hrs. Yesterday.	Humidity. 15h. G.M.T. % Yesterday.	Humidity. 9h. G.M.T. % To-day.	Visibility 9h.
		24 HOURS ENDED 0600 G.M.T. 15th.											
Kew } 24 hours ended 0700	18	ofx	cfomom	cmomc	*	*	34	-	-	0.0	*	*	7
Croydon } 24 hours ended 0700	244	bcfmc	comz	omdbd	*	*	33	-	-	2.2	*	*	5
Greenwich (Royal Obsy.)	149	cm	co	ocb	45	34	29	-	-	1.4	79	85	3
City (Sunbill Row)	80	*	*	*	*	*	*	*	*	0.0	*	*	*
Westminster (St. James' Pk.)	27	*	*	*	45	33	31	-	-	0.2	82	84	*
Regent's Pk. (Botanic Gdns).	192	*	*	*	*	*	*	*	*	0.0	*	*	*
Camden Square	110	c	cbcc	*	45	33	30	-	-	*	*	34	*
Kensington Palace	89	bco	c	*	45	39	31	-	-	*	(At 18h. 84	84	*
Hampstead Observatory	450	*	*	*	43	30	26	-	-	0.3	*	61	*

ATMOSPHERIC POLLUTION.
Milligrams of Solid Impurity per cubic metre.

24 HR. ended 1800 G.M.T. 14th.

South Kensington Max.	Time.	Min.	Time.
0.3	17h. 13th	<0.3	1h. 14th
1.0	13h. 14th		

Kew Observatory Max.	Time.	Min.	Time.
0.4	21h 13th	<0.3	24h 13th
0.9	13h 14th		

POLE STAR RECORD at Greenwich Obsy.

Exposure from 14th 17h. 00 m. to 15th 6h. 45 m.

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	13.45	5.10	38
δ Ursae Minoris	13.45	3.34	26

CODE FOR STATE OF GROUND.
0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.[1]

Time.	Type.	No. per 4 sec.	Stren.	Direc.
13h.	C	4	-	175°
15h.	C	5	-	5°
01h.	C	5	-	100°
07h.	C	5	-	150°

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.

15th.–16th. December, 1923.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	8.0	11.48	3.36
	8.1	11.49	3.36
Greenwich	8.1	11.56	3.49
	8.2	11.56	3.49
Wick	8.58	12.7	3.16
	9.0	12.8	3.15
Valencia	8.45	12.36	4.27
	8.46	12.37	4.27

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, " less than 200 m.
m mist, " 1000—10000 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. r rain. s snow.
rs sleet t thunder.
u ugly, threatening sky.
v unusual visibility. w dew.
x hoar frost. y dry air.
z dust haze; the turbid atmosphere of dry weather.
h(r)="hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity.
R = heavy rain. r_o = slight rain. rr = continuous rain.

SYMBOLS.
< = less than (for cloud height). < = before (for precipitation).
⊕ = solar halo. ☾ = lunar halo.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions, thus:—bc/r = fair weather after rain; - = "decreasing"; + = "increasing."

The BEAUFORT SCALE of WIND is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers, is the speed at about 30 feet above the ground.

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1- 3
2	4- 7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	above 75

SEA DISTURBANCE.
0=no swell } Calm or slight sea.
1=mod. swell
2=heavy swell
3=no swell } Moderate sea.
4=mod. swell
5=heavy swell
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

[1] For explanation see Introduction.

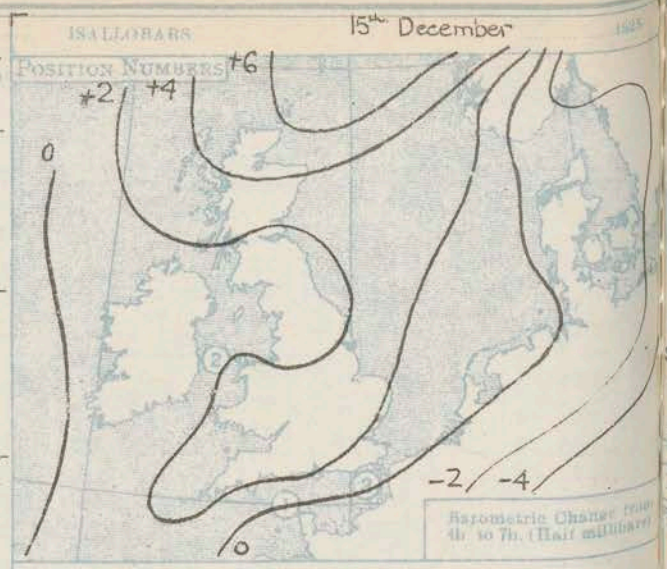
* Information for these columns not usually received.

‡ The barometric change is expressed in half millibars.

§ For code see page 3

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 14th	13h.-18h. 14th	18h. 14th to 1h. 15th	1h.-7h. 15th	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS	RAINFALL.† Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began	SUN. 14th Hours.
Lerwick	amrq	cprq	bcprs	cpsh	50	35	•	4	2	<0800	<2100	0·0
Stornoway	r-d	p	s-rs	cphr	51	37	•	3	3	–	–	0·0
Wick	oir	ocprq	cPRH	cprhq	50	35	•	1	5	<0800	<2100	•
Castlebay	rr	rocp	cpb	bopo	50	40	•	0·2	0·5	–	–	0·0
Nairn	cqdo	ircbc	cqprq	cbc	50	34	•	1	3	1100	<2100	0·1
Aberdeen	comq	orrmb	b	boprb	47	36	32	2	0·3	1330	0430	0·0
Malin Head	omiD	DDir	PR	coPR	48	41	•	3	1	<0800	<2100	0·0
Renfrew	oqrr	oqrrc	bqbcp	bcpcb	48	36	30	4	0·6	<0800	2200	0·0
Edinburgh (Inchkeith)	p	ir	bcb	b	48	38	*	trace	–	1100	–	0·0
Leuchars	odq	ombcpr	bxc	b-bc	49	32	24	0·3	–	0900	–	0·0
Eskdalemuir	orm	oirm	orbmb	bbc	45	35	31	7	0·1	0900	<2100	0·0
Tynemouth	oo	oqido	oidob	b.bam	47	37	34	trace	trace	1530	<2100	•
Blacksod Point ...	r-d	r-d	c	c	50	39	•	1	0·2	–	–	•
Donaghadee	o	omp	bc	bc	49	35	•	0·4	–	1530	–	•
Birr Castle	co	oiR	oiR	bcx	48	33	23	2	0·2	1730	<2100	0·0
Holyhead	bcco	oir	oidcb	.b	48	44	41	trace	trace	1730	<2100	1·3
Liverpool (Bidston) ...	bcobc	oo	·	bcb	47	40	33	–	0·3	–	<2100	1·6
Chester (Shotwick) ...	bfxooc	cooq	odprqbc	bcqbc	52	40	40	–	0·6	–	<2100	1·2
Spurn Head	f-m	como	c	b-bc	44	37	•	–	–	–	–	0·0
Birmingham (Edgbaston)	bcc	bcco	ocrp	cbc	43	37	32	–	0·3	–	2400	0·3
Nottingham	fm	oo	o	oo	42	39	31	–	–	–	–	0·0
Cranwell	oo	oco	ocbcm	bbc	42	34	28	–	trace	–	2400	0·2
Gorleston	bncm	cm	or	cb	41	36	33	–	3	–	2400	0·0
Valencia (Cahirciveen)	o	oor	bc	co	50	43	35	0·2	–	1730	–	0·0
Roches Point	oo	oco	opbc	bcc	49	39	•	–	0·1	–	<2100	*
Pembroke (St. Ann's H.)	c	c	oqmbc	b-bc	49	42	•	–	trace	–	2400	0·3
Ross-on-Wye	mbcc	cbco	ov	cv bv	45	37	27	–	trace	–	–	0·7
Leafield	ffo	ffodc	doco	co	45	35	28	0·3	–	–	–	0·0
Andover	offecf	cfco	oco	ocbcb	42	33	27	trace	–	–	–	0·3
S. Farnborough ...	ofxom	oomm	om	orr	43	36	33	–	0·4	–	0230	1·6
London (Kew Obsy.) ...	ofx	cfomcm	cmom	ombcbbc	42	40	34	–	–	–	–	0·0
Croydon	bcfmc	comz	omd	obmd	44	39	33	–	trace	–	2400	2·2
Clacton-on-Sea ...	bccm	cm	cm	cmpb	41	38	33	–	1	–	0430	1·1
Shoeburyness	bmbcmcm	cbcm	bcmcm	oirc	44	36	32	trace	0·2	–	–	0·4
Grain	bbcm	comb		bc	45	37	31	–	0·2	–	2400	1·0
Lympne	bcm	obm	bmor	orbf	45	35	32	–	3	–	2400	3·1
Scilly (St. Mary's) ...	bcc	co	comqr	ocqr	51	45	•	–	1	–	2200	4·7
Falmouth (Pendennis)	bbc	bc	comd	omdbc	50	44	•	–	0·4	–	2400	6·1
Plymouth (Cattewater)	bmxo	oo	oo	ob	47	42	37	0·2	–	–	–	2·2
Portland Bill	c	c	c	b-bc	47	42	•	–	–	–	–	•
Southampton (Calshot)	OFFom	omcbc	bcco	ocbc	44	40	36	–	–	–	–	2·0
Dungeness	c	c	c	orrbc	48	38	•	–	2	–	0130	•
Guernsey	cbcbbcm	bccm	oc	orrcbcb	48	43	•	–	0·6	–	0230	•



Observations from Cross Channel Steamers.

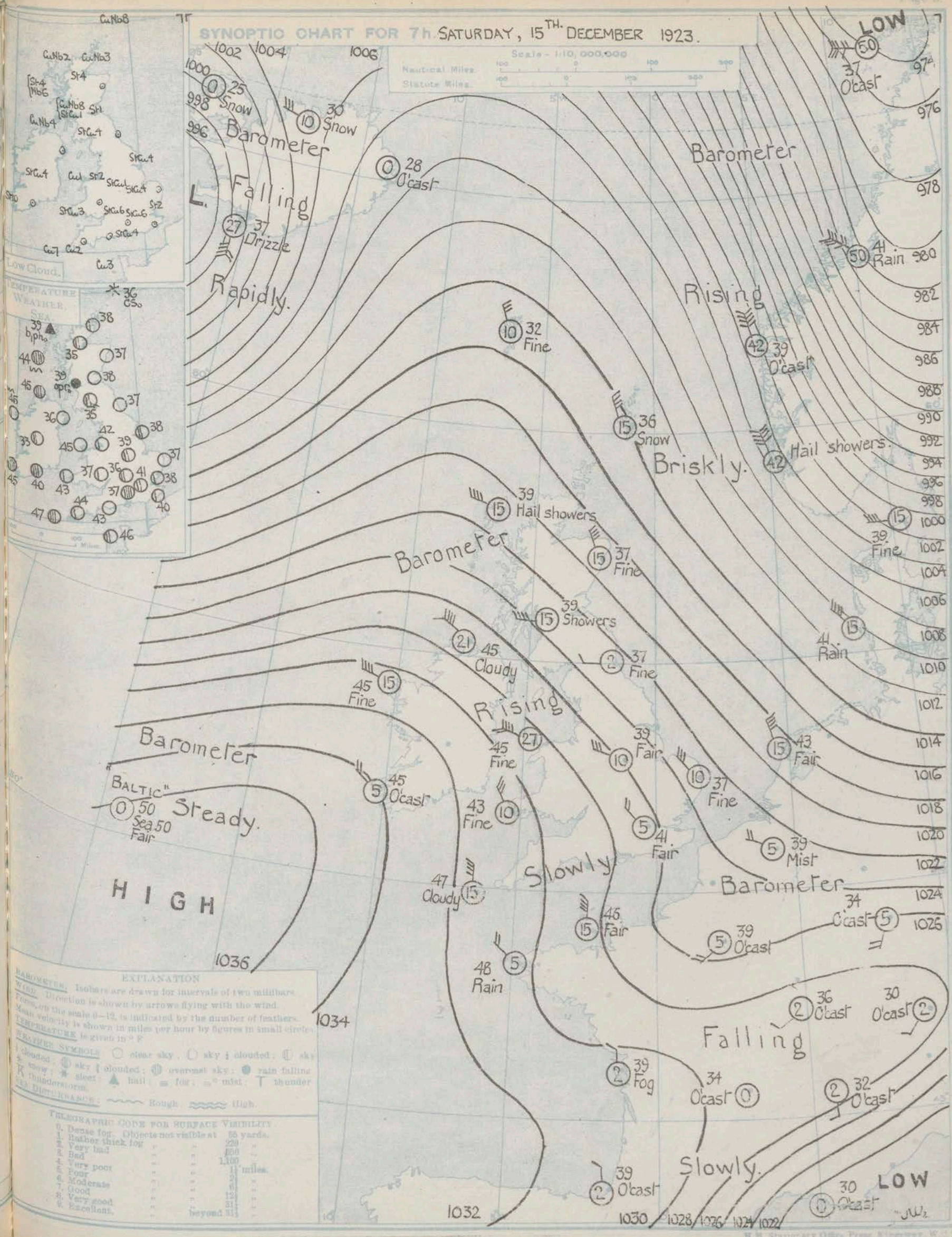
Position.	Date and Time	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea	Visibility
2	14th 1000	"Scolia"	SSW	4	c	47	49	8
3	15th 0200	"Arundel"	WNW	5	R	46	49	7

GENERAL INFERENCE.

The anticyclone off the Southwest Coasts is spreading northeast, and fair weather is likely generally with rather cold northwesterly winds. A new depression approaching Iceland will cause wind to back later, becoming strong to a gale in the North. Some rain is likely later in Scotland and perhaps Northern England, but fair weather will be maintained over the week-end in the South.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Saturday, 15th December, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales	Wind northwesterly to westerly, light or moderate; fine; visibility moderate or good; rather cold, frost locally at night.	Mainly fair in the South. None issued for the North.
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Wind westerly to southwesterly, light or moderate to fresh or strong; mainly fair, but risk of slight rain or showers later; visibility moderate or good; rather cold, temperature rising later.	South Cone hoisted at 0900 G.M.T. 15/12/23.
11. E. Scotland 12. S.W. Scotland	Wind westerly to southwesterly, moderate, increasing to strong, a gale in places; fair at first, rain later; visibility moderate or good; rather cold, temperature rising later.	
13. Isle of Man	As 7 - 10.	
14. N.&N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands 17. N.W. Ireland	As 11 - 12.	
18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	As 7 - 10.	

§ For Code see opposite page.



H.M. Stationery Office Press, Kingsway, W.C.2

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. Saturday 15th December 1923. No. 349

Observations at 0100 G.M.T. 15th

STATIONS.	Height above M.S.L. in feet	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10
Lerwick	54	1008·0	+6	WNW	5	bcPRS	37	92	6	4000	CuNb	5	-	5
Stornoway	51	1013·1	+4	NW	6	PH	•	•	5	•	•	•	•	•
Wick	81	1013·1	+3	W	3	bcPH	37	92	8	2500	CuNb	6	-	6
Castlebay	37	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	46	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	71	1025·8	+2	NW	6	bPR	43	97	8	4000	CuNb	3	-	3
Renfrew	38	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	190	1019·7	+2	W	5	b	41	75	8	•	-	0	-	0
Leuchars	36	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	794	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	118	1020·8	+2	W	2	b	39	85	7	-	-	0	-	0
Blacksod Point	10	1030·5	+2	NW	5	o	45	75	?	•	•	•	•	10
Donaghadee	35	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	175	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	26	1027·1	+2	NNW	5	b	45	75	8	-	-	0	-	0
Liverpool (Bidston)	189	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick)	16	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	26	1021·3	-2	SW	6	b	42	85	7	-	-	0	-	0
Birmingham (Edgbaston)	525	•	•	•	•	•	•	•	•	•	•	•	•	•
Nottingham	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	237	1023·3	+1	WNW	4	b	43	85	6	-	-	0	-	0
Gorleston	13	1022·3	-1	W	2	or	41	97	5	2500	Nb	10	-	10
Valencia (Cahirciveen)	30	1032·7	0	NNW	1	o+	40	97	7	?	?	?	?	?
Roches Point	32	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	149	1028·9	+2	NW	4	bc	47	85	8	4000	Cu	5	-	5
Ross-on-Wye	223	•	•	•	•	•	•	•	•	•	•	•	•	•
Leafield	556	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	296	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough	230	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.)	18	•	•	•	•	•	45	•	•	•	•	•	•	•
Croydon	244	1025·3	-2	W	3	od	43	92	6	800	St	10	-	10
Clacton-on-Sea	54	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	11	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	20	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	350	1025·3	-4	WNW	4	orr	41	97	6	450	Nb	10	-	10
Scilly (St. Mary's)	131	1030·6	-2	W'N	6	ors	49	97	4	4000	Nb	10	-	10
Falmouth (Pendennis)	200	1029·7	-3	WSW	3	od	47	92	6	2500	Nb	10	-	10
Plymouth (Cattewater)	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	19	1026·8	-4	W	4	o+	48	85	7	4000	StCu	6	-	6
Southampton (Calshot)	12	1026·9	-2	WSW	3	o	45	85	7	1500	St	10	-	10
Dungeness	21	1025·8	-3	SW	4	o	45	85	8	-	-	0	asl	10
Guernsey														

Observations at 0700 G.M.T. 15th

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea 0-9
Lerwick	1014·6	+7	NNW	4	cs	36	85	6	4000	CuNb	8	-	8	3
Stornoway	1021·4	+4	WNW	4	bph	39	92	7	4000	CuNb	2	-	2	3
Wick	1017·9	+6	NNW	3	bs(h)	38	85	8	2500	CuNb	3	-	3	3
Castlebay	1023·9	+3	NW	4	o	44	75	8	1500	Nb	10	-	10	4
Nairn	1020·9	•	W	2	bc-	35	85	8	1500	St	4	-	4	•
Aberdeen	1019·7	+3	NNW	4	b	37	85	8	-	-	0	-	0	3
Malin Head	1026·6	+1	NW	5	c/r	45	85	8	5700	CuNb	4	CiCu	7	6
Renfrew	1023·6	+1	W	4	obr	39	85	6	2500	CuNb	8	-	8	•
Edinburgh (Inchkeith)	1022·2	+2	W	3	b+	38	92	8	•	St	1	-	1	1
Leuchars	1021·1	+3	WSW	2	b	35	85	8	-	-	0	-	0	•
Eskdalemuir	1024·0	+1	WNW	3	bc+	35	85	7	2500	StCu	4	-	4	•
Tynemouth	1022·5	+1	W	1	b	37	85	6	-	-	0	-	0	1
Blacksod Point	1031·2	+1	NW	4	b	45	75	7	•	•	•	•	3	5
Donaghadee	1026·9	+1	WSW	2	b	36	92	8	-	-	0	-	0	2
Birr Castle	1031·5	•	NW	1	bc-	33	97	5	4000	StCu	4	-	4	•
Holyhead	1028·4	+2	WNW	6	b	45	85	8	2500	Cu	1	-	1	4
Liverpool (Bidston)	1026·7	+1	W	5	b	42	85	7	2500	St	2	-	2	5
Chester (Shotwick)	1026·9	+2	WNW	4	bc	40	75	8	2500	St	3	CiSt	5	•
Spurn Head	1023·7	+2	WNW	5	bc+	38	85	8	4000	StCu	4	aCu	5	2
Birmingham (Edgbaston)	1027·7	+2	WNW	3	bc	38	85	6	2500	Cu	1	Ci	4	•
Nottingham	1025·9	+2	WNW	3	bc-	39	85	5	2500	StCu	1	Ci	4	•
Cranwell	1025·2	+2	WNW	3	bc+	36	92	6	4000	StCu	4	-	4	•
Gorleston	1023·6	+1	NW	3	b	37	85	7	-	-	0	-	0	0
Valencia (Cahirciveen)	1034·0	+1	NW'N	2	o	45	75	7	2500	St	10	-	10	6
Roches Point	1033·4	+1	NW	2	c	40	92	8	-	-	0	CiCu	8	0
Pembroke (St. Ann's H.)	1030·8	+2	NNW	3	b-	43	85	8	4000	StCu	3	-	3	3
Ross-on-Wye	1028·3	+2	SW'S	2	b+	37	85	9	-	-	0	CiCu	3	•
Leafield	1028·7	+3	NW	2	bc-	36	85	6	7200	StCu	6	-	6	•
Andover	1028·7	+3	WNW	2	b-	33	92	7	-	-	0	CiSt	2	•
S. Farnborough	1027·7	+2	NW	2	o-	37	97	8	-	-	0	aSt	9	•
London (Kew Obsy.)	1026·8	+4	NW	2	bc+	41	75	7	2500	StCu	6	-	6	•
Croydon	1026·7	+2	NW'N	3	b+	39	85	6	-	-	0	Ci	2	•
Clacton-on-Sea	1024·9	+2	NW	3	b-	38	92	7	1500	St	2	-	2	0
Shoeburyness	1025·7	+2	NW	3	c/r	37	85	7	5700	StCu	7	-	7	•
Grain	1025·8	+1	WNW	4	bc	37	92	7	-	-	0	aCu	4	0
Lympne	1025·7	+2	NNW	4	b/f	37	97	6	4000	StCu	1	aCu	2	•
Scilly (St. Mary's)	1031·2	+2	N	4	c-	47	85	8	4000	Cu	7	-	7	4
Falmouth (Pendennis)	1030·3	+3	N	4	b	44	75	8	5700	Cu	2	-	2	0
Plymouth (Cattewater)	1030·4	+3	NNW	1	b	43	85	8	-	-	0	aCu	1	0
Portland Bill	1028·0	+4	NW'N	3	b	43	75	7	-	-	0	-	0	3
Southampton (Calshot)	1028·3	+3	NNW	4	c+	42	85	7	5000	StCu	4	Ci	8	0
Dungeness	1025·0	-1	N	3	b-	40	97	7	-	-	0	CiCu	2	3
Guernsey	1028·5	-1	N	4	b/r	46	92	8	4000	Cu	3	aCu	4	3

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 14th December

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 13th-14th °F.	Temperature. Max. Day. 14th °F.	Rainfall.† Night 17h.-9h. 13th-14th mm.	Rainfall.† Day 9h.-17h. 14th mm.	Sunshine.	Sunshine. Sunrise to Sunset. 14th hr.
Montrose	oc	cprbc	36	49	-	0·2		0·0
Berwick-on-Tweed	bcocc	coud	35	47	•	0·1		0·0
Llandudno	c	cbco	43	48	-	-		1·4
Colwyn Bay	c	c	39	48	-	-		1·4
Rhyl	cbc	bcc	33	50	-	-		2·0
Southport	xoc	co	34	46	-	-		0·8
Blackpool	oc	oq	34	46	-	-		0·2
Ilkley	xmqo	omd	32	46	-	0·2		0·0
Harrogate	oc	cor	34	44	-	1		0·0
Skegness	bcamr	ofco	30	40	trace	-		0·3
Aberystwyth	ooc	o	34	47	-	-		0·0
Bath	fbc	bcco	32	45	-	trace		0·1
Leamington Spa	cb	cb	33	47	-	-		1·2
Lowestoft	cmco	o	35	41	0·1	1		0·4
Felixstowe	cfom	cbcm	34	41	0·2	-		0·7
Southend	oc	bc	36	44	-	-		0·6
Ilfracombe	bcco	o	38	46	-	-		2·0
Bude	xbbc	bcco	29	49	1	-		3·0
Torquay	b	bbcc	34	48	-	-		3·5
Weymouth	xfbbc	bc	33	50	-	-		2·9
Bournemouth	b	b	32	46	-	-		3·5
Portsmouth (S'thsea)	fbc	oc	33	44	-	-		1·4
Littlehampton	bombc	bc	37	44	-	-		5·3
Worthing	b	bbc	37	46	-	-		3·9
Brighton	cbbc	c	39	46	-	-		3·0
Eastbourne	cbc	bc	40	47	0·1	-		3·0
Hastings	ocbc	bccoc	39	46	trace	-		2·4
Folkestone	fmobc	c	40	45	-	-		2·5
Dover	mcbc	mbc	40	47	trace	-		3·5
Tunbridge Wells	bbcc	bccb	36	47	-	-		2·9
Ramsgate	bcm	bc	39	45	0·4	-		2·0
Margate	cbc	o	40	45	0·3	-		1·5
Deal	moc	bc	38	47	-	-		3·5

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* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. ‡ For code see page 3. § See footnote page 1

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B 22669 SUNDAY 16th DECEMBER 1923.

Observations at 1300 G.M.T. 15th

STATIONS. (For heights see p.4).	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	State of ground.
Lerwick	1016.7	0	NNW	2	c	35	92	7	4000	Cu	2	Ci.St	8	*
Stornoway	1021.6	0	WNW	3	bc+	42	85	7	4000	Cu	6	-	6	*
Wick	1019.9	-1	W	2	bc/4h	38	92	8	2500	Cu.Nb	4	Ci	6	*
Castlebay	1024.8	-1	WSW	4	o/r₀	45	85	8	2500	Nb	9	-	9	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1022.6	+1	W	2	b	39	75	7	4000	St.Cu	1	Ci.St	2	1

Observations at 1800 G.M.T. 15th

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	¾
Lerwick	1013.5	-4	WSW	2	o/r₀	38	97	6	4000	Nb	6	A.St	10	1
Stornoway	1017.3	-5	W	3	o/r₀	43	92	7	450	St	10	-	10	2
Wick	1017.1	-4	WSW	2	o	38	97	8	2500	Cu.Nb	4	A.St	10	0
Castlebay	1021.7	-2	W	4	o	47	85	7	1500	St	10	-	10	4
Nairn	1019.1	*	-	0	bc	39	85	8	4000	Cu	3	A.Cu	6	*
Aberdeen	1021.1	-2	WSW	2	bc	38	75	7	-	-	0	A.Cu	5	0
Malin Head	1025.8	-3	WSW	5	or	45	97	7	4000	Nb	9	-	9	5
Renfrew	1024.5	-3	WSW	3	o/r	42	92	6	2500	Nb	9	-	9	*
Edinburgh (Inchkeith)	1022.8	-3	W	3	bc	41	85	7	*	-	0	A.Cu	6	2
Leuchars	1021.8	-3	W	2	c	37	85	8	-	-	0	A.Cu	8	*
Eskdalemuir	1023.4	-1	S	3	c	37	85	7	-	-	0	A.Cu	8	*
Tynemouth	1024.6	0	W	2	b	37	92	6	-	-	0	-	0	0
Blacksod Point	1030.2	-1	WNW	4	o	47	75	7	*	*	*	*	10	5
Donaghadee	1027.3	0	W	2	c+	40	85	8	800	Cu	7	-	7	2
Birr Castle	1031.4	*	W	2	o+	42	92	6	4000	St.Cu	9	-	9	*
Holyhead	1029.5	0	W'N	5	bc	45	92	8	1500	St.Cu	5	-	5	5
Liverpool (Bidston)	1028.4	+1	W	3	b	42	92	8	4000	Cu	2	Ci.St	3	1
Chester (Shotwick)	1028.9	+1	WNW	4	b-	42	85	6	2500	St.Cu	3	-	3	*
Spurn Head	1026.4	+4	WNW	4	b	37	97	6	-	-	0	-	0	4
Birmingham (Edgbaston)	1025.8	+1	W	4	b+	39	68	5	4000	Cu	1	-	1	*
Nottingham	1027.8	+2	W	2	b-	40	85	6	-	-	0	-	0	*
Cranwell	1027.5	+2	W'N	3	b	36	92	5	-	-	0	-	0	*
Gorleston	1026.0	+1	WNW	2	mb	36	92	5	-	-	0	-	0	0
Valencia (Cahirciveen)	1034.4	-1	W'N	4	o	46	75	9	4000	St.Cu	10	-	10	3
Roches Point	1033.6	+1	NW	2	o	45	85	8	4000	St.Cu	10	-	10	0
Pembroke (St. Ann's H.)	1032.0	0	NW	3	bc	45	75	8	-	-	0	A.Cu	4	3
Ross-on-Wye	1029.3	+2	WSW	2	b	39	85	8	-	-	0	Ci	1	*
Leafield	1029.7	0	WNW	2	b	36	92	6	-	-	0	Ci	2	*
Andover	1029.9	+1	WNW	3	b	35	92	7	-	-	0	-	0	*
S. Farnborough	1029.3	+1	W'N	2	b	34	92	8	-	-	0	-	0	*
London (Kew Obsy.)	1029.0	+2	WSW	1	b	39	85	5	-	-	0	-	0	*
Croydon	1030.0	+2	W	2	b	38	85	5	-	-	0	A.Cu	2	*
Clacton-on-Sea	1027.5	+1	NW	3	bc	39	85	6	4000	Cu	4	-	4	0
Shoeburyness	1028.0	+2	W	1	o/m	40	85	7	4000	St.Cu	7	A.Cu	9	*
Grain	1028.5	+2	W'S	3	o+	37	92	7	4000	St.Cu	10	-	10	0
Lympne	1028.0	+2	NW'N	3	bc	35	92	5	4000	St.Cu	5	-	5	*
Scilly (St. Mary's)	1033.2	0	N'W	4	c	46	97	8	4000	St.Cu	8	-	8	4
Falmouth (Pendennis)	1032.1	+2	N	3	c-	45	75	8	5700	St.Cu	8	-	8	0
Plymouth (Cattewater)	1031.9	+1	NNW	2	o+	44	85	7	-	-	0	A.Cu	9	0
Portland Bill	1030.5	+4	NW	2	b	44	85	7	-	-	0	A.Cu	3	3
Southampton (Calshot)	1030.3	+3	WNW	3	b	40	85	7	-	-	0	-	0	0
Dungeness	1027.9	+2	N	2	bc+	36	97	6	-	-	0	A.Cu	6	2
Guernsey	1031.1	+1	NNW	4	b	44	85	7	5700	Cu	2	-	2	1

LONDON OBSERVATIONS.	Height above M.S.L. in feet.	Weather. Morning. 15h	Weather. Afternoon. 15h	Weather. Night. 18h-16h	Temperature. Max. °F.	Temperature. Min. °F.	Min. on Grass. °F.	Rainfall. mm. Day.	Rainfall. mm. Night	Sunshine to Sunset, hrs.	Humidity. 15h. G.M.T. %	Humidity. 9h. G.M.T. %	Visibility 9h
		24 HOURS ENDED 0900 G.M.T. 16th								YESTERDAY.	TO-DAY.		
Kew } 24 hours ended 0700	18	bc	bz	bmxc	*	*	24	-	-	3.4	*	*	5
Croydon } 24 hours ended 0700	244	mgo⊕	bzm	bmxo	*	*	27	-	-	3.0	*	*	6
Greenwich (Royal Obsy.)	149	bco	ocb	bmxobc	44	34	27	-	-	0.2	73	91	4
City (Bunhill Row)	80	*	*	*	*	*	*	*	*	*	*	*	*
Westminster (St. James' Pk.)	27	*	*	*	44	31	34	-	-	1.3			*
Regent's Pk. (Botanic Gdns).	168	*	*	*	*	*	*	*	*		*	*	*
Camden Square	110			*	44	34	29	-	-	*			*
Kensington Palace	80	cbc	bc	*	44	34	26	-	02	*	{At 18h 76.	92	*
Hampstead Observatory	450	*	*	*	43	32	23	-	-	3.7			*

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 HR. ended 1800 G.M.T. 15th

South Kensington Max.	Time.	Min.	Time.
-	-	-	-

Kew Observatory Max.	Time.	Min.	Time.
-	-	-	-

POLE STAR RECORD at Greenwich Obsy.

Exposure from 15th 17h 00m to 16th 06h 45m

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	13 45	09 30	69
δ Ursae Minoris	13 45	08 15	60

CODE FOR STATE OF GROUND.
0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.[1]

Time.	Type.	No. per ¼ sec.	Stren.	Direc.
13h.	C	5	-	45°
18h.	C	S	-	65°
01h.	-	-	-	-
07h.	-	-	-	-

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.

16th to 17th December, 1923.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	8.1	11.49	3.36
	8.2	11.49	3.36
Greenwich	8.2	11.56	3.49
	8.3	11.56	3.49
Wick	9.0	12.8	3.15
	9.1	12.8	3.15
Valencia	8.46	12.37	4.27
	8.47	12.37	4.27

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, „ less than 200 m.
m mist, „ 1000—10000 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. r rain. s snow.
rs sleet. t thunder.
u ugly, threatening sky.
v unusual visibility. w dew.
x hoar frost. y dry air.
z dust haze; the turbid atmosphere of dry weather.
h(r)="hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity.
R = heavy rain. r₀ = slight rain. rr = continuous rain.

SYMBOLS.
< = { less than (for cloud height). before (for precipitation).
⊕ = solar halo. ☾ = lunar halo.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions, thus:—bc/r = fair weather after rain; - = "decreasing"; + = "increasing."

The BEAUFORT SCALE of WIND is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers, is the speed at about 30 feet above the ground.

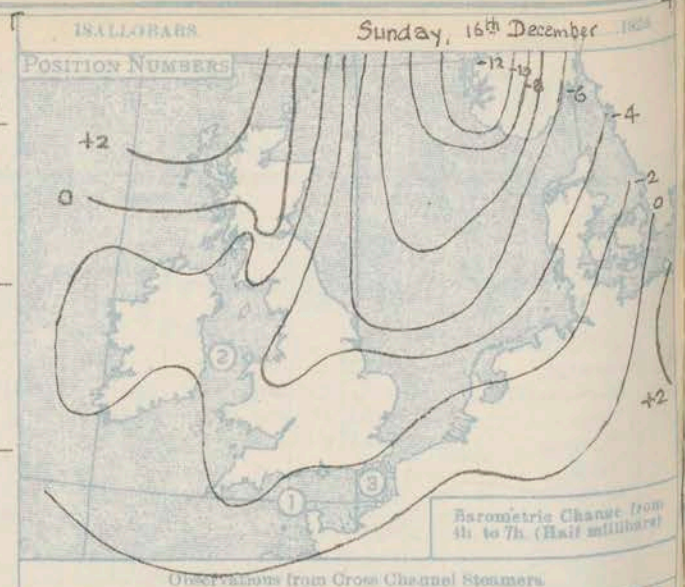
SEA DISTURBANCE.
0=no swell } Calm or slight sea.
1=mod. swell } Calm or slight sea.
2=heavy swell } Calm or slight sea.
3=no swell } Moderate sea.
4=mod. swell } Moderate sea.
5=heavy swell } Moderate sea.
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1- 3
2	4- 7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	76

[1] For explanation see Introduction. * Information for those columns not received. ‡ The barometric change is expressed in half millibars. § For code see page 3.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 15th	13h.-18h. 15th	18h. 15th to 1h. 16th	1h.-7h. 16th	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS.	RAINFALL.† Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began	SUN. 15th Hours.
Lerwick	c⊕	omd	omr	omrq	39	37	.	1	16	<0800	<2100	0.5
Stornoway	b	b	r-d	p	43	43	.	0.6	5	-	-	0.5
Wick	bcprs	cpro	orro	oq	39	38	.	2	4	1100	<2100	.
Castlebay	obcop	opco	op	opdp	47	46	.	1	0.2	-	—	1.1
Nairn	bc	bccq	cpq	cq	40	39	.	-	0.4	-	<2100	2.7
Aberdeen	bpb	bbc	bcorr	ocbc	39	38	35	Trace	2	0900	2200	3.0
Malin Head	cor	coir	irmd	oimd	47	46	.	2	0.3	<0800	<2100	1.3
Renfrew	odc	cor	oor	odcdq	45	42	40	1	1	<0800	<2100	2.0
Edinburgh (Inchkeith)	bc	c	ir00	cq	41	41	?	-	-	-	-	1.4
Leuchars	bbc	bcc	cocq	bbcq	39	36	32	-	-	-	-	0.3
Eskdalemuir	bcc	bcc	copo	oodm	39	36	35	-	0.2	-	<2100	1.7
Tynemouth	bbcm	bbcm	irom	irmq	42	37	34	-	3	-	2200	.
Blacksod Point	c	oo	oo	oo	47	47	.	.	0.4	-	-	.
Donaghadee	bc	c	o	o	45	40	.	-	trace	-	<2100	.
Birr Castle	bcco	co	c	co	44	45	38	-	-	-	-	1.0
Holyhead	bbcb	bbc	bcco	oo	46	45	42	-	0.4	-	2200	4.4
Liverpool (Bidston)	bbcc	bc	oo		45	41	35	-	-	-	-	2.0
Chester (Shotwick)	bcodHgpr	orOO	ocbcm	co	46	42	42	2	-	1100	-	1.5
Spurn Head	bbc	bbc	bzoxb	borqo	40	36	.	-	2	-	0230	4.2
Birmingham (Edgbaston)	bb	bcbbc	bbco	oco	44	37	32	Trace	-	1530	-	1.8
Nottingham	bbc	bbc	bc	oor	45	37	31	-	0.6	-	0130	1.3
Cranwell	bbc	bbbc	bbccm	cpro	41	34	30	-	1	-	0230	2.7
Gorleston	bcc	cb	bbcox	oxpro	42	33	29	-	0.2	-	0430	3.7
Valencia (Cahirciveen)	oco	co	oco	oodm	48	47	42	-	trace	-	-	0.6
Roches Point	o	oo	oco	ob	45	40	.	-	-	-	-	
Pembroke (St. Ann's H.)	bbc	bbc	c	oc	45	44	.	-	-	-	-	3.0
Ross-on-Wye	bccb	bbccb	bxbco	oo	46	37	28	-	-	-	-	4.8
Leafield	bc	odbc	bcx	do	44	34	28	Trace	trace	1630	0430	3.9
Andover	bbcb	b	bbc	bcoro	44	30	21	-	0.1	-	0530	4.1
S. Farnborough	ocbc	bcb	b	borO	44	29	21	-	trace	-	0230	4.4
London (Kew Obsy.)	bc	bz	bmbmx	bmxcm	44	33	24	-	-	-	-	3.4
Croydon	mbo⊕	bzm	bmx	box	43	35	27	-	-	-	-	3.0
Clacton-on-Sea	bbcm	cbcm	bcbm	bom	42	34	30	-	-	-	-	2.0
Shoeburyness	cbcm	bcmcw	ow	ow	43	33	29	Trace	trace	-	-	2.8
Grain	bbcc	bbcco	ocbcb	bmxbc	43	30	25	-	trace	-	-	2.2
Lympne	bcom	ocbcm	bcbm	bbccm	41	31	21	-	trace	-	-	2.1
Scilly (St. Mary's)	c	c	c	c	48	45	.	-	-	-	-	3.6
Falmouth (Pendennis)	bc	bcco	cbcco	co	47	42	.	-	-	-	-	3.8
Plymouth (Cattewater)	bomb	bobo	o	o	47	36	26	-	—	-		2.9
Portland Bill	bbc	bbc	bbc	c	47	43	.	-	-	-	-	.
Southampton (Calshot)	cbcb	bbmb	b	bbcco	44	34	32	-	-	-	-	3.7
Dungeness	oo	c	bxim	oo	43	32	.	-	-	-	-	.
Guernsey	o	bbc	bbcb	bbcco	48	43	.	-	-	-	-	.



Observations from Cross Channel Steamers.

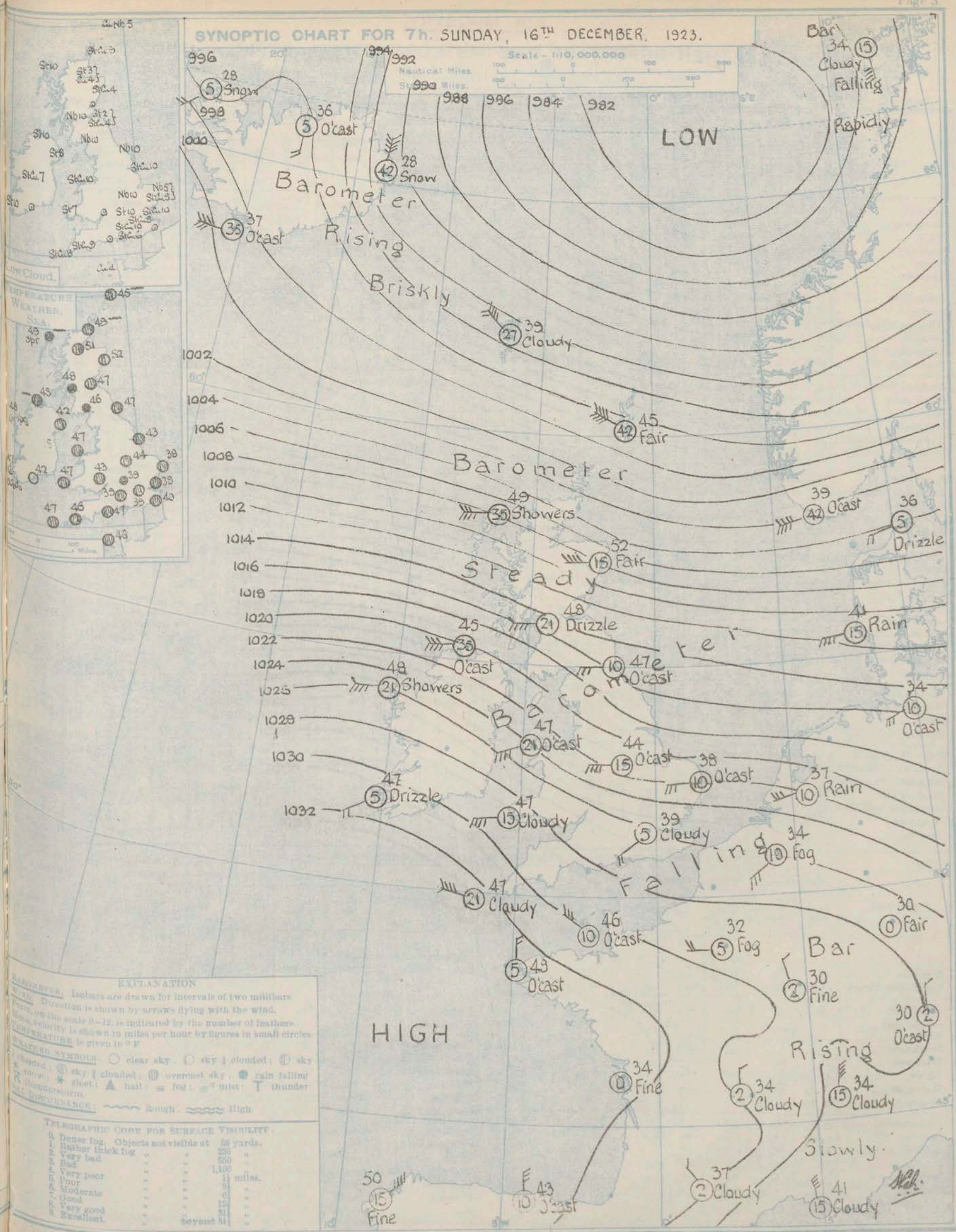
Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility.
2	15th 1900	Hibernia	W	4	b	42	49	8
1	" 1200	Ibex	N	4	b	47	50	7
3	16th 0200	Brighton	NNW	4	b	43	49	8

GENERAL INFERENCE.

A depression off the Scandinavian Coast is moving East while the anticyclone to the southwest of the British Isles persists. Westerly winds will continue generally with rain or showers in the North. In the South weather will be mild and mainly fair, but slight rain is probable locally.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Sunday, 16th December, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales	Winds westerly, moderate or fresh; mainly fair, but slight rain in places; visibility moderate to good; mild.	Mainly fair in the South; none issued for the North. --------- South Cone hoisted 0300 G.M.T. 16/12/23 South Cone still flying. ---------
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Winds west to northwest fresh or strong; variable sky, local showers; visibility moderate to good; mild then colder.	
11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands 17. N.W. Ireland	Winds west to northwest, strong to a gale, moderating; variable sky, occasional rain or showers; visibility moderate to good; mild then colder.	
18. N.E. Ireland	As 7 - 10.	
19. S.E. Ireland 20. S.W. Ireland	Wind westerly, moderate; mainly fair; visibility moderate to good; mild to moderate temperature.	

† For Code see opposite page



H.M. Stationery Office Press, Kingsway, W.C.2

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.....SUNDAY...16TH DECEMBER.....1923. No. 350

Observations at 0100 G.M.T.....16th.....

STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10
Lerwick	54	1000.2	-1.4	WSW	7	ORR	46	97	6	4000	Nb	10	-	10
Stornoway	51	1011.6	-7.6	SW	5	r	•	•	4	•	•	•	•	•
Wick	81	1006.3	-8	W	4	o/r	46	97	8	1500	CuNb	8	CuSr	10
Castlebay	37	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	46	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	71	1022.5	-2	W	7	od	47	97	7	4000	Nb	10	-	10
Renfrew	38	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	190	1015.8	-1.0	SW	6	o/c	45	92	8	•	Sr	3	A Sr	10
Leuchars	36	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	794	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	118	1021.0	-2	W	2	o/c	43	92	6	800	Nb	10	-	10
Blacksod Point ...	10	1028.8	-2	WNW	4	o	45	85	7	•	•	•	•	10
Donaghadee	35	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	175	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	26	1027.2	-1	WS	5	o+	46	92	8	2500	StCu	10	-	10
Liverpool (Bidston) ...	189	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick) ...	16	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	26	1023.7	-4	SWW	4	b	39	92	5	-	-	0	-	0
Birmingham (Edgbaston)	525	•	•	•	•	•	•	•	•	•	•	•	•	•
Nottingham	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	237	1026.2	-1	SWW	3	mc	36	97	5	-	-	0	A Sr	8
Gorleston	13	1026.0	0	WS	3	o+	33	97	5	2500	Sr	10	-	10
Valencia (Cahirciveen)	30	1032.0	0	W	1	o-	47	97	8	•	Sr	9	-	9
Roches Point	32	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	149	1030.5	-1	W	4	ojp	45	92	8	2500	Sr	10	-	10
Ross-on-Wye	223	•	•	•	•	•	•	•	•	•	•	•	•	•
Leafield	556	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	295	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough ...	230	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.) ...	18	•	•	•	•	•	34	•	•	•	•	•	•	•
Croydon	244	1028.8	-2	WS	3	b	35	92	7	-	-	0	Cu	2
Clacton-on-Sea ...	54	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	11	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	20	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	350	1027.5	0	NNW	3	b	32	97	6	-	-	0	A Sr	3
Scilly (St. Mary's) ...	131	1033.6	0	NNW	2	bc	46	85	8	4000	Cu	6	-	6
Falmouth (Pendennis)	200	1032.5	-1	NNW	2	o-	44	92	8	5700	StCu	9	-	9
Plymouth (Cattewater)	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	19	1030.4	0	N	3	b	43	75	7	-	-	0	ACu	3
Southampton (Calshot)	12	1030.2	-1	W	2	b	35	92	8	-	-	0	-	0
Dungeness ...	21	1028.1	+2	NW	1	b-	32	97	6	-	-	0	-	0
Guernsey ...														

Observations at 0700 G.M.T.....16th.....

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	997.3	-1	WNW	8	bcjp	45	85	6	4000	CuNb	5	-	5	7
Stornoway	1009.3	?	W	7	ojp	49	92	6	450	Sr	10	-	10	6
Wick	1003.0	0	WNW	7	o	49	85	8	5700	StCu	9	-	9	6
Castlebay	1015.8	0	W	5	Odo	50	97	6	1500	Nb	10	-	10	6.0
Nairn	1008.0	•	W	7	c	51	85	8	1500	Cu	7	-	7	•
Aberdeen	1008.3	0	W	4	bc	52	75	7	4000	StCu	4	-	4	•
Malin Head	1020.3	-1	W	7	o/r	48	97	7	1500	Sr	10	-	10	6
Renfrew	1016.8	-2	W	5	odd	48	97	6	1500	Nb	10	-	10	•
Edinburgh (Inchkeith)	1012.9	-3	WSW	6	bc	47	92	8	•	StCu	6	-	6	4
Leuchars	1011.3	-1	WSW	8	oc	49	85	7	-	-	0	A Sr	5	•
Eskdalemuir	1010.0	0	WSW	6	odd	46	92	6	450	Nb	10	-	10	•
Tynemouth	1014.5	-3	W	3	o/r	47	85	6	800	Nb	10	-	10	•
Blacksod Point ...	1026.1	-4	W	5	opc	48	92	3	•	•	•	•	10	5
Donaghadee	1021.9	-3	W	2	c-	42	85	8	800	Sr	3	-	8	2
Birr Castle	1018.8	•	SW	1	c-	45	97	3	2500	StCu	7	-	7	•
Holyhead	1015.4	-3	WSW	5	o	47	92	8	2500	StCu	10	-	10	4
Liverpool (Bidston) ...	1020.0	-1	WSW	5	o+	44	92	7	2500	Sr	10	-	10	5
Chester (Shotwick) ...	1023.4	-5	WSW	5	o	47	75	7	2500	StCu	9	-	9	•
Spurn Head	1018.4	-6	W	5	o	43	92	7	4000	StCu	10	-	10	4
Birmingham (Edgbaston)	1024.7	-4	SW	4	o-	43	85	7	2500	Sr	10	-	10	•
Nottingham	1022.1	?	W	4	o	44	85	7	800	Nb	10	-	10	•
Cranwell	1021.4	-3	W	5	o	43	92	6	800	Nb	10	-	10	•
Gorleston	1022.9	-3	W	3	o	38	92	7	4000	Nb	10	-	10	-1
Valencia (Cahirciveen)	1031.0	-2	WSW	2	odd	47	97	6	220	Sr	10	-	10	4
Roches Point	1030.1	-1	WNW	1	b	42	92	8	-	-	0	-	0	0
Pembroke (St. Ann's H.)	1028.5	-2	W	4	c	47	85	5	2500	Sr	7	-	7	3
Ross-on-Wye	1026.0	-3	SW	1	o	43	85	5	-	-	0	A Sr	10	•
Leafield	1026.5	-2	W	2	odd	39	97	5	4000	Sr	10	-	10	•
Andover	1027.1	-3	WSW	3	o/r	40	97	7	4000	StCu	10	-	10	•
S. Farnborough ...	1026.6	-3	WW	3	o/r	39	97	7	1500	StCu	10	-	10	•
London (Kew Obsy.) ...	1026.8	-2	SW	2	c	39	92	6	2500	StCu	8	-	8	•
Croydon	1026.4	-3	WS	3	o	40	92	7	4000	StCu	4	ASr	10	•
Clacton-on-Sea ...	1025.1	-2	WNW	3	o	38	85	6	4000	StCu	10	-	10	1
Shoeburyness	1025.6	-2	W	2	o-	39	85	7	5700	Sr	6	ACu	9	•
Grain	1025.4	-2	SWW	4	c+	40	85	7	-	-	0	ASr	3	0
Lympne	1024.4	-3	WW	3	c	35	92	6	4000	StCu	3	ASr	8	•
Scilly (St. Mary's) ...	1032.3	-1	WNW	4	c+	47	92	8	4000	StCu	8	-	8	4
Falmouth (Pendennis)	1030.9	-2	WNW	3	o	46	75	8	5700	StCu	9	-	9	0
Plymouth (Cattewater)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	1025.4	-2	W	3	o+	47	85	7	-	-	0	ASr	10	1
Southampton (Calshot)	1027.8	-3	WSW	4	o+	42	92	8	4000	StCu	6	ASr	10	0
Dungeness ...	1026.6	-2	SW	3	o	40	97	7	-	-	0	ASr	10	3
Guernsey ...	1030.6	-1	WNW	3	o	46	92	8	4000	Cu	4	ASr	10	1

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR.....15th December.....

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 14-15 °F.	Temperature. Max. Day. 15 °F.	Rainfall.† Night 17h.-9h. 14-15 mm.	Rainfall.† Day 9h.-17h. 15 mm.	Sunshine.	Sunshine. Sunrise to Sunset. 15th hr.
Montrose	xb	bx	35	41	-	-		2.7
Berwick-on-Tweed	zxbz	cbcbb	35	41	0.1	-		3.3
Llandudno	c	c	42	45	0.3	-		0.7
Colwyn Bay ...	c	c	41	44	-	-		0.0
Rhyl	cbcc	bccb	41	45	?	?		0.6
Southport	bc	bc	40	43	0.3	-		1.7
Blackpool	c	bcc	41	44	1	-		1.8
Ilkley	bcbbc	b	30	46	1	-		0.0
Harrogate	bcb	bcb	34	44	2	-		4.2
Skegness	o bx	bcocb	30	42	-	-		4.7
Aberystwyth ...	ooc	b	43	46	1	-		3.5
Bath	mbcb	b	33	46	-	-		3.5
Leamington Spa	cb	bc	35	45	-	-		3.0
Lowestoft ...	b	bccb	35	41	2	-		3.5
Felixstowe ...	bccm	cbcm	36	41	1	-		2.2
Southend ...	cbcm	co	36	44	0.4	-		1.9

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 14-15 °F.	Temperature. Max. Day. 15 °F.	Rainfall.† Night 17h.-9h. 14-15 mm.	Rainfall.† Day 9h.-17h. 15 mm.	Sunshine.	Sunshine. Sunrise to Sunset. 15th hr.
Ilfracombe	cbc	bcco	44	48	1	—		4.2
Bude	rcbc	bcbc	42	49	3	-		4.3
Torquay	cbcc	b	38	48	-	-		3.5
Weymouth	bc	b	37	47	-	-		4.9
Bournemouth ...	b	b	34	45	-	-		5.3
Portsmouth (S'thsea)	bc	bbm	40	45	-	-		3.3
Littlehampton ...	bc	bc	39	45	-	-		4.6
Worthing	bbc	bcb	38	44	1	-		4.0
Brighton	bcbcc	obb	39	45	1	-		4.0
Eastbourne	bbc	bcb	39	44	2	-		3.1
Hastings	bbcoc	cbcbm	39	43	2	-		2.3
Folkestone	bc	bc	38	45	-	-		2.0
Dover	cmbcb	bbccm	39	43	2	-		1.9
Tunbridge Wells ...	bmbc	cbcm	36	43	1	-		2.0
Ramsgate	bc	bcbm	39	40	2	-		1.7
Margate	bcb	o	38	43	1	-		1.9
Deal	rcbc	bbcc	37	41	3	-		1.5

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* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. § For code see page 3. ‡ See footnote page 1

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.22670 MONDAY, 17th DECEMBER 1923.

Observations at 1300 G.M.T. 16th

Stations (For heights, see p. 4).	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Upper Form.	Total Amt. 0-10	State of ground.
Lerwick	999.6	+3	WNW	10	cjp	42	75	6	4000	CuNb	5	aCu	8	•
Stornoway	1011.4	+1	W	6	od₀	48	85	6	450	St	10	-	10	•
Wick	1004.2	0	WNW	8	c/r	46	92	8	800	St	7	-	7	•
Castlebay	1016.6	0	W	5	od₀	50	92	6	1500	Nb	10	-	10	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	1008.5	+1	W	5	o+	53	75	8	1500	St	10	-	10	1
Malin Head	1020.4	0	SW'W	6	o/r	49	97	7	2500	St	4	aSt	10	•
Renfrew	1016.7	-1	W	5	odd	50	92	6	800	Nb	10	-	10	2
Edinburgh (Inchkeith)	1014.0	+1	WSW	6	o	49	85	7	•	St	8	aCu	9	•
Leuchars	1011.8	0	WSW	6	bc	51	75	8	2500	Cu	2	aCu	6	1
Eskdalemuir	1017.1	-2	W	6	o	48	85	7	1500	StCu	10	-	10	1
Tynemouth	1014.6	+1	W	5	c	49	92	6	800	St	5	aCu	8	•
Blacksod Point	1026.3	0	NW'W	4	o/r	50	92	7	•	•	•	•	10	•
Donaghadee	1020.4	-1	WSW	4	c-	50	85	8	800	StCu	3	aCu	8	•
Birr Castle	1024.0	*	W	2	or₀	44	92	4	4000	Nb	9	-	7	•
Holyhead	1025.1	0	W'S	6	c⁰	49	92	9	2500	StCu	8	-	8	0
Liverpool (Bidston)	1022.2	-2	W	5	c	46	85	8	4000	Cu	3	a.Cu	4	•
Chester (Shotwick)	1022.8	-2	WNW	5	c-	55	65	8	2500	St	5	aCu	8	1
Spurn Head	1017.6	+1	W	6	o	45	92	6	2500	St	10	-	10	•
Birmingham (Edgbaston)	1023.8	-1	SSW	3	bc	47	75	8	-	-	0	aCu	4	2
Nottingham	1021.9	-1	W	3	c-	46	85	5	1500	StCu	6	aCu	7	•
Cranwell	1021.1	0	W	4	o	46	85	6	2500	StCu	6	aCu	9	1
Gorleston	1019.9	-2	WNW	4	c-	46	85	6	5700	StCu	8	-	8	•
Valencia (Cahirciveen)	1030.9	0	W	2	o/r	50	97	7	800	StCu	10	-	10	1
Roches Point	1029.1	-1	WNW	3	c	50	92	8	1500	StCu	7	-	7	•
Pembroke (St. Ann's H.)	1027.7	-1	W	4	b	47	85	8	2500	Cu	3	-	3	•
Ross-on-Wye	1025.1	-1	SW	2	bc-	51	65	8	-	-	0	aCu	4	0
Leafield														
Andover	1025.9	-1	W'N	6	c-	47	85	8	5700	StCu	6	aCu	8	1
S. Farnborough	1024.9	-2	W	3	o+	48	65	6	2500	StCu	4	aSt	9	1
London (Kew Obsy.)	1024.3	-3	SW	2	bc+	47	85	6	4000	StCu	3	CiSt	4	1
Croydon	1024.3	-3	W	4	c+	48	85	6	5700	StCu	4	aCu	7	1
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	1022.9	-2	WSW	4	bc	46	75	5	-	-	0	CiSt	4	•
Grain	1023.1	-3	WSW	5	b-	48	75	7	-	-	0	aSt	2	1
Lympne	1023.5	-4	WSW	3	b-	45	85	7	-	-	0	aCu	3	2
Scilly (St. Mary's)	1032.0	0	W'N	5	c	49	85	8	4000	StCu	8	-	8	•
Falmouth (Pendennis)	1031.3	0	W	3	o	48	75	8	5700	StCu	9	-	9	•
Plymouth (Cattewater)	1030.4	-1	WNW	3	o+	48	85	7	4000	StCu	10	-	10	0
Portland Bill	1027.5	-4	W	3	o	48	85	7	4000	StCu	4	aCu	9	•
Southampton (Calshot)	1026.1	-3	W'N	6	o	47	85	8	5700	StCu	9	-	9	0
Dungeness	1024.5	-2	W	3.	c	46	85	7	4000	Cu	7	-	7	•
Guernsey	1029.8	+2	W'N	6	o	48	85	8	4000	StCu	5	aCu	10	•

Observations at 1800 G.M.T. 16th

Stations	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1004.4	+6	WNW	8	bcjp	42	75	7	4000	CuNb	5	aCu	6	7
Stornoway	1014.2	+4	WNW	3	opr₀	46	92	6	450	St	10	-	10	2
Wick	1010.0	+8	NW	4	o	45	75	8	2500	CuNb	9	-	9	3
Castlebay	1017.2	0	W	5	od₀	49	97	7	1500	St	10	-	10	6
Nairn	1012.1	•	W	4	c	44	85	8	4000	Cu	4	•	4	•
Aberdeen	1012.0	+5	WNW	4	or₀	47	85	7	1500	Nb	10	-	10	3
Malin Head	1020.7	0	W	6	bc-	48	97	7	2500	St	5	-	5	6
Renfrew	1016.7	0	WSW	5	o/r	49	92	6	2500	StCu	10	-	10	•
Edinburgh (Inchkeith)	1014.8	+1	WSW	5	bc+	48	85	8	•	St	2	aCu	5	3
Leuchars	1012.7	+2	W	5	o	51	75	8	2500	StCu	9	-	9	
Eskdalemuir	1017.5	+1	W	5	od₀	47	92	7	1500	StCu	10	-	10	•
Tynemouth	1015.9	+2	W	3	o+	50	85	6	800	St	10	-	10	3
Blacksod Point	1025.2	-1	NW'W	4	o	48	85	7	•	•	•	•	10	5
Donaghadee	1020.6	0	W	4	b-	48	85	8	800	St	2	-	2	4
Birr Castle	1024.0	•	W	3	or₀	49	92	5	1500	Nb	10	•	10	•
Holyhead	1024.5	0	W	5	b⁰	48	85	9	-	-	0	CiCu	1	5
Liverpool (Bidston)	1022.6	+2	WSW	6	bc	44	85	8	4000	Cu	5	-	5	6
Chester (Shotwick)	1023.2	+1	W	3	o+	51	75	7	2500	St	7	aCu	9	•
Spurn Head	1018.4	-2	W	6	o	46	92	6	1500	St	10	-	10	4
Birmingham (Edgbaston)	1024.0	+1	SSW	3	o₀	43	85	6	4000	StCu	10	-	10	•
Nottingham	1022.0	0	W	3	o+	47	85	6	2500	Nb	7	CiSt	10	•
Cranwell	1021.3	0	W	4	c	45	92	6	4000	StCu	4	aCu	8	•
Gorleston	1019.7	0	WNW	4	o	47	75	7	5700	StCu	10	-	10	1
Valencia (Cahirciveen)	1029.6	-1	W'S	2	o	49	85	7	1500	St	10	-	10	1
Roches Point	1029.0	+1	WNW	2	o	49	92	8	2500	StCu	10	-	10	0
Pembroke (St. Ann's H.)	1027.2	0	W	4	o	49	92	8	2500	St	10	-	10	4
Ross-on-Wye	1025.2	0	WSW	2	bc⊕	44	85	9	-	-	0	Ci	5	•
Leafield	1025.5	0	W	2	b	41	92	8	-	-	0	-	0	•
Andover	1025.6	0	W'N	5	b-	43	92	8	4000	StCu	1	-	1	*
S. Farnborough	1025.1	+1	W	3	o+	46	75	7	2500	StCu	9	-	9	•
London (Kew Obsy.)	1024.0	0	WSW	3	b-	46	85	6	4000	StCu	1	-	1	•
Croydon	1024.1	0	W'N	3	b-	46	85	6	-	-	0	aCu	3	•
Clacton-on-Sea	1022.1	0	WSW	3	bcpr₀	44	92	6	4000	Nb	7	-	7	0
Shoeburyness	1022.7	0	W	3	o/r	47	75	5	4000	StCu	10	-	10	•
Grain	1022.9	0	SW'W	3	o/r	45	85	6	1500	StCu	9	-	9	0
Lympne	1023.1	-1	W'N	3	orr	43	97	5	1500	Nb	10	-	10	•
Scilly (St. Mary's)	1030.6	-1	W'N	4	fo-	49	97	3	800	St	10	-	10	4
Falmouth (Pendennis)	1030.8	-2	WNW	2	mo	48	92	6	800	St	10	-	10	0
Plymouth (Cattewater)	1028.8	-1	W'N	3	o	47	97	7	800	St	10	-	10	0
Portland Bill	1026.8	-2	NW	3	o	49	85	7	-	-	0	aSt	10	1
Southampton (Calshot)	1026.8	+2	W	3	o+	45	85	8	4000	StCu	9	-	9	0
Dungeness	1023.1	+1	W*	3	or₀	45	92	7	4000	Nb	9	-	9	4
Guernsey	1029.6	+1	WNW	6	o	47	92	7	4000	Cu	7	aCu	10	1

London Observations. (24 Hours ended 0900 G.M.T. 17th)

London Observations.	Height above M.S.L. in feet.	Weather Morning.	Weather Afternoon.	Weather Night.	Temp. Max. °F.	Temp. Min. °F.	Min. on Grass. °F.	Rainfall mm. Day.	Rainfall mm. Night.	Sunshine to Sunset, hrs.	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)	Visibility 9h.
Kew (24 hours ended 0700)	18	bm bcm	bcomr₀	b.ccm	•	•	34	Tr	-	2.5	•	•	6
Croydon (24 hours ended 0700)	244	obcm	orpid	bccc	•	•	34	Tr	-	3.4	•	•	6
Greenwich (Royal Obsy.)	149	c	cbd b	bco	49	40	35	-	-	1.2	49	83	3
City (Bunhill Row)	80	•	•	•	•	•	•	•	•		•	•	•
Westminster (St. James' Pk.)	27	•	•	•	49	41	34	-	-	1.6	100	86	•
Regent's Pk. (Botanic Gdns).	168	•	•	•	•	•	•	•	•	0.8	•	•	•
Camden Square	110	bcc	c	•	53	40	34	-	-	•	•	89	•
Kensington Palace	80	bco	obc	•	49	34	35	-	-	•	(At 18h 86)	86	•
Hampstead Observatory	450	•	•	•	44	34	30	Tr	Tr	2.6		88	•

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 1600 G.M.T. 16th

	Max.	Time.	Min.	Time.
South Kensington	-	-	-	-
Kew Observatory	-	-	-	-

Pole Star Record at Greenwich Obsy.

Exposure from 16th 14 h. 0 m. to 17th 6 h. 45 m.

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	13 45	7 45	52
δ Ursae Minoris	13 45	7 14	53

Code for State of Ground.
0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 1500 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain or melted snow).

Radio Disturbances (Atmospherics) at Croydon.¹

Time.	Type.	No. per ¼ sec.	Stren.	Direc.
13h.	-	-	-	-
18h.	-	-	-	-
01h.	-	-	-	-
07h.	-	-	-	-

Table showing the Greenwich Times of Sunrise, Noon, and Sunset for Stations in the United Kingdom.

17th & 18th December, 1923.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	8.3 / 8.3	11.50 / 11.50	3.37 / 3.37
Greenwich	8.4 / 8.4	11.57 / 11.57	3.50 / 3.50
Wick	9.2 / 9.2	12.9 / 12.9	3.16 / 3.16
Valencia	8.48 / 8.48	12.38 / 12.38	4.28 / 4.28

Beaufort Notation of Weather.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, " less than 200 m.
m mist, " 1000—10000 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. r rain. s snow.
rs sleet. t thunder.
u ugly, threatening sky.
v unusual visibility. w dew.
x hoar frost. y dry air.
z dust haze; the turbid atmosphere of dry weather.
h(r)="hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity.
R = heavy rain. r₀ = slight rain. rr = continuous rain.

SYMBOLS.

< = { less than (for cloud height). before (for precipitation).
⊕ = solar halo. ⩌ = lunar halo.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions, thus:—bc/r = fair weather after rain; - = "decreasing"; + = "increasing."

The Beaufort Scale of Wind is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers, is the speed at about 30 feet above the ground.

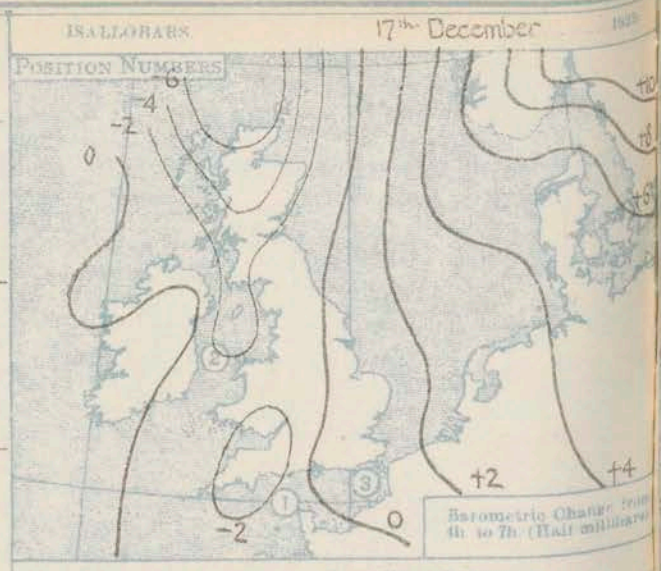
Beaufort No.	Statute miles per hour.
0	Less than 1
1	1-3
2	4-7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

Sea Disturbance.
0=no swell } Calm or slight sea.
1=mod. swell
2=heavy swell
3=no swell } Moderate sea.
4=mod. swell
5=heavy swell
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

¹ For explanation see Introduction. • Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 16th	WEATHER. 13h.-18h. 16th	WEATHER. 18h. 16th to 1h. 17th	WEATHER. 1h.-7h. 17th	TEMPERATURE. MAX. Day. 7h.-18h.	TEMPERATURE. MIN. Night. 18h.-7h.	TEMPERATURE. MIN. on GRASS.	RAINFALL†. Day. 7h.-18h. mm.	RAINFALL†. Night. 18h.-7h. mm.	RAINFALL†. Precipitation began.	RAINFALL†. Precipitation began.	SUN. 16th Hours.
Lerwick	cpq	cq	be	omr	46	34	•	1	1	<0800	0500	0.0
Stornoway	d	pr	rd	oo	49	45	•	3	1	—	.	0.0
Wick	oirq,c	cpr,o	oo	opr	49	42	•	1	1	0900	0230	•
Castlebay	dp	dp	odpr	bpo	50	43	•	0.1	0.2	<0800	-	0.0
Nairn	cqbcq	cqpq	cqbc	bc	51	45	•	0.2	-	1530	-	1.4
Aberdeen	bcqoq	oq,ro	or,ro	cbem	53	41	33	trace	0.4	1730	2100	1.0
Malin Head	comp	moe	cop	oiMd	49	46	•	trace	0.3	0900	2200	0.0
Renfrew	odqoq	odqoq	obq	ooq	50	47	44	0.3	trace	<0800	<2100	0.0
Edinburgh (Inchkeith)	oo	c	bc	ob	50	46	•	—	-	—	-	0.1
Leuchars	b-bc	bccoq	obb	bbcco	53	45	40	-	-	-	-	2.5
Eskdalemuir	oid,o	ooid	oid	oidqoi	48	43	43	0.1	0.3	<0800	<2100	0.0
Tynemouth	omq	cmq	cmbq	bbc	50	46	42	-	-	-	-	•
Blacksod Point ...	r-d	r-d	rd	rd	49	44	•	-	0.5	-	-	•
Donaghadee	c	o	c	c	52	41	•	-	-	-	.	•
Birr Castle	coir	oir	oir	oir	50	45	40	0.1	0.4	<0800	<2100	0.0
Holyhead	oocv	cbcbv	opr,d	c	50	47	44	-	trace	-	<2100	2.5
Liverpool (Bidston) ...	cq	bcq	c		49	44	40	-	-	-	-	1.0
Chester (Shotwick) ...	c	cbcco	ooq	oqo	56	45	45	-	-	-	-	3.4
Spurn Head	oo	ocq,o	c	c	47	43	•	-	-	-	-	0.0
Birmingham (Edgbaston)	ocbc	bbc	obco	or	49	41	38	-	0.5	-	0130	2.3
Nottingham	oo	c	c	oo	48	43	41	-	-	-	-	0.5
Cranwell	oo	oo	oo	or	47	44	41	-	trace	-	0430	0.0
Gorleston	ocq	cqobo	cqbcq	ob	48	41	38	trace	-	<0800	-	0.0
Valencia (Cahirciveen)	odmo	o	om	opood	51	40	45	0.1	1	<0800	<2100	0.0
Roches Point	boc	od,o	or	rob	52	45	•	trace	1	1730	<2200	
Pembroke (St. Ann's H.)	c	c	oo	rd	49	47	•	-	trace	-	0330	1.6
Ross-on-Wye	cobc	bcvbv	cvbvco	bco	51	42	33	-	-	-	-	2.4
Leafield	bc	bcb	do	cofr	?49	38	34	-	2	-	0230	1.8
Andover	or,oc	cbcb	bcob	obcco	48	40	34	trace	-	<0800	-	2.0
S. Farnborough ...	oco	oco	oc	bor	48	39	32	-	0.3	-	0530	1.3
London (Kew Obsy.) ...	bmbcm	bcmqb	obo	ocm	48	42	34	trace	-	1430	-	2.5
Croydon	obcm	or,zmb	bcc	co	49	42	37	trace	-	1430	-	3.4
Clacton-on-Sea ...	ocm	cmp	cbc	bc	49	41	37	0.3	-	1630	.	1.6
Shoeburyness ...	c	r-d	om	om	48	39	36	0.8	0.1	1630	.	0.0
Grain	cbcbz	bcoro	obb	bbcm	49	40	33	0.5	-	1730	-	2.0
Lympne	cbcm	orr	oprm	bcram	48	37	33	0.6	1	1730	0530	2.4
Scilly (St. Mary's) ...	c	coifd	o	oifd	50	47	•	0.2	2	1530	0330	1.1
Falmouth (Pendennis)	c	cofo	fobc	bcomd	51	47	•	-	0.1	-	0330	1.2
Plymouth (Cattewater)	obco	oo	oddm	or	49	46	43	-	1	-	<2100	0.1
Portland Bill	c	c	c	p	49	47	•	-	1	-	0130	•
Southampton (Calshot)	oo	c	oid	oid	48	43	41	-	trace	-	0130	0.4
Dungeness	c	oprr	bbc	p	47	39	•	trace	0.3	1630	0330	.
Guernsey	ocoq	ocq	co	d,o	49	46	•	-	0.5	-	.	+



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea.	
2	16th 1010	Scotia	W	6	c	48	49	8
3	24th 0100	BRIGHTON	NNW	4	b	43	49	8

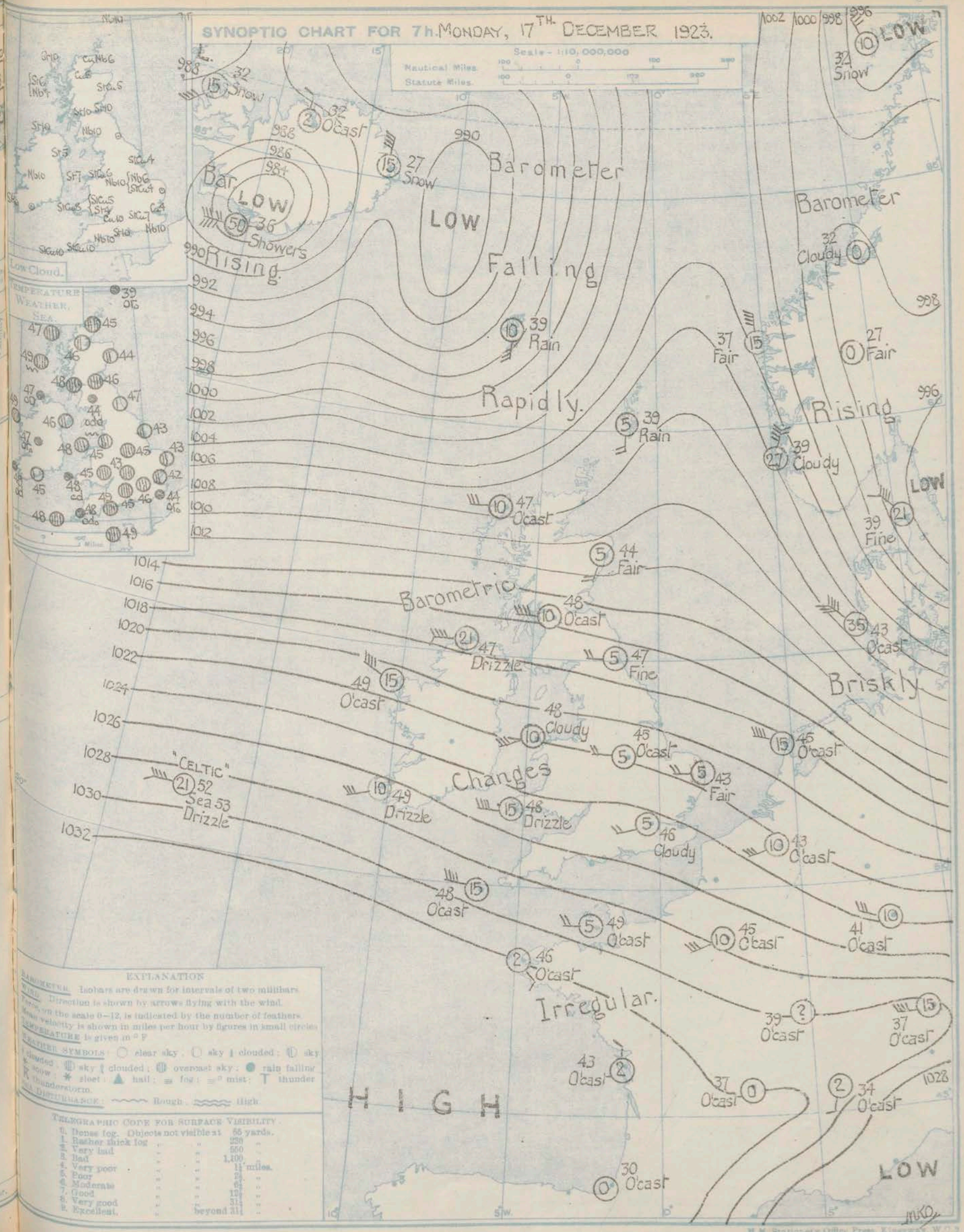
GENERAL INFERENCE.

The general situation is unchanged, an anticyclone continuing off our S.W. Coasts and depressions to the north of Scotland. Westerly winds are probable, strong at times in the North, with rather mild and generally unsettled weather but considerable fair periods in the South.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Monday 17th December, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales	Moderate or fresh westerly winds, occasional slight rain, considerable fair periods; visibility moderate or good; rather mild.	Unsettled in the North, mainly fair in the South.
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands 17. N.W. Ireland 18. N.E. Ireland	Westerly winds, fresh to strong at times; occasional rain; visibility moderate or good; rather mild.	South Cone still flying.
19. S.E. Ireland 20. S.W. Ireland	As 1 - 6.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0910 GMT G. C. SIMPSON, F.R.S., Director.

† For Code see opposite page.



EXPLANATION

BAROMETER. Isobars are drawn for intervals of two millibars.

WIND. Direction is shown by arrows flying with the wind. Force, on the scale 0–12, is indicated by the number of feathers. Mean velocity is shown in miles per hour by figures in small circles.

TEMPERATURE is given in ° F.

WEATHER SYMBOLS: ○ clear sky; ◐ sky ½ clouded; ◐ sky ¾ clouded; ◍ sky ⅞ clouded; ◍ overcast sky; ● rain falling; ✱ snow; ✱ sleet; ▲ hail; ≡ fog; ≡° mist; T thunderstorm; K thunderstorm.

SEA DISTURBANCE: ~~~~ Rough; ≈≈≈ High.

TELEGRAPHIC CODE FOR SURFACE VISIBILITY.

0. Dense fog. Objects not visible at	55 yards.	
1. Rather thick fog " "	220	"
2. Very bad " "	550	"
3. Bad " "	1,100	"
4. Very poor " "	1¼	miles.
5. Poor " "	2½	"
6. Moderate " "	6½	"
7. Good " "	12	"
8. Very good " "	31	"
9. Excellent. " beyond	31	"

H.M. Stationery Office Press, Kingsway, W.C.2

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.....MONDAY, 17th DECEMBER.....1923. No. 351

Observations at 0100 G.M.T. (7)

STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Low. Form	Low. Amt. 0-10	Upper Form.	Total Amt. 0-10
Lerwick	54	1010.0	+3	NW	3	b	39	85	Y	-	-	0	N Cu	2
Stornoway	51	1014.0	0	-	0	dd	•	•	3	•	•	•	•	•
Wick	81	1012.1	+1	W	1	0	43	92	8	-	-	0	A St	10
Castlebay	37	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	46	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	71	1019.8	0	WSW	4	o D	47	94	Y	1500	St	10	-	10
Renfrew	38	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	190	1015.4	+1	WSW	5	bc	47	94	8	•	St Cu	3	A Cu	5
Leuchars	36	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	794	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	118	1017.5	+2	W	3	b	42	85	Y	-	-	0	-	0
Blacksod Point	10	1022.1	-1	WNW	5	o/r	49	92	3	•	•	•	•	10
Donaghadee	35	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	175	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	26	1014.1	-1	W	4	0	49	92	9	2500	St Cu	10	-	10
Liverpool (Bidston)	189	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick)	16	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	26	1019.1	0	WNW	6	c	45	92	Y	5700	St Cu	4	Ci St	Y
Birmingham (Edgbaston)	525	•	•	•	•	•	•	•	•	•	•	•	•	•
Nottingham	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	237	1022.1	+1	WNW	3	o	46	92	6	1500	St Cu	10	-	10
Gorleston	13	1022.6	0	WNW	3	bc	44	92	6	-	-	0	Ci	4
Valencia (Cahirciveen)	30	1026.5	-1	-	0	0	49	94	Y	*	St	10	-	10
Roches Point	32	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	149	1024.1	-1	W	3	0	49	85	8	4000	St Cu	10	-	10
Ross-on-Wye	223	•	•	•	•	•	•	•	•	•	•	•	•	•
Leafield	556	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	295	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough	230	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.)	18	•	•	•	•	•	44	•	•	•	•	•	•	•
Croydon	244	1025.3	+1	WNW	2	c	43	92	Y	4000	St Cu	8	-	8
Clacton-on-Sea	54	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	11	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	20	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	350	1024.2	-1	NW	4	b	39	94	6	-	-	0	Ci St	3
Scilly (St. Mary's)	131	1030.3	0	W	4	0	49	94	7	4000	St Cu	10	-	10
Falmouth (Pendennis)	200	1029.4	-1	WNW	3	bcff	47	92	8	5700	St Cu	5	-	5
Plymouth (Cattewater)	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	19	1027.7	0	W	4	0	50	85	7	4000	St Cu	10	-	10
Southampton (Calshot)	13	1027.3	-1	WNW	3	od	47	92	8	1200	St	9	-	9
Dungeness	21	1029.3	+1	WNW	2	b	41	92	8	-	-	0	-	0
Guernsey														

Observations at 0700 G.M.T. (7)

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Low. Form	Low. Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1006.0	-3	S	2	o r	39	94	6	4000	Nb	10	•	10	1
Stornoway	1009.4	-6	W	3	o	44	94	4	800	St	10	-	10	2
Wick	1004.1	-6	WSW	3	o/r	45	92	8	1500	Cu Nb	6	Ci St	10	0
Castlebay	1013.1	-1	W	5	0	49	92	4	1200	St	10	-	10	6
Nairn	1009.0	•	W	3	bc	46	85	8	4000	Cu	5	-	5	•
Aberdeen	1011.5	-3	SSW	2	bc	44	92	6	4000	St Cu	3	-	3	0
Malin Head	1017.8	-1	WSW	5	o D	47	94	4	1500	St	10	-	10	5
Renfrew	1016.6	-3	W	4	0	43	92	4	2000	St	10	-	10	•
Edinburgh (Inchkeith)	1014.7	-2	WSW	5	o t	46	94	8	•	St	10	-	10	3
Leuchars	1012.9	-3	WSW	4	o t	47	92	8	1500	St	6	A St	10	•
Eskdalemuir	1017.7	-1	SW	4	o dd	44	94	4	450	Nb	10	-	10	•
Tynemouth	1016.9	-1	W	2	b	47	92	4	-	-	0	A Cu	3	2
Blacksod Point	1021.8	-1	NNW	4	o/r	49	92	6	•	•	•	•	10	5
Donaghadee	1019.8	+1	SW	3	bc	46	92	8	450	St	5	-	5	3
Birr Castle	1025.8	•	W	3	o r	47	92	4	1500	Nb	10	-	10	•
Holyhead	1022.5	-2	WSW	3	c	48	94	8	2500	St	7	-	7	3
Liverpool (Bidston)	1021.3	-1	WSW	5	c	45	92	7	2500	St Cu	6	A Cu	7	6
Chester (Shotwick)	1022.2	-1	SE	1	0	43	85	8	4000	St Cu	10	-	10	•
Spurn Head	1019.2	0	W	5	bc	43	94	7	4000	St Cu	4	Ci	6	4
Birmingham (Edgbaston)	1023.6	-1	SW	3	o/r	45	85	6	2500	Nb	10	-	10	•
Nottingham	1023.0	0	W	2	0	45	92	4	1500	Nb	10	-	10	•
Cranwell	1022.5	0	WNW	3	o r	43	92	7	800	Nb	10	-	10	•
Gorleston	1021.2	0	W	2	bc t	43	94	6	-	-	0	Ci Cu	4	0
Valencia (Cahirciveen)	1024.2	+1	WSW	3	od	49	94	6	215	St	10	-	10	4
Roches Point	1026.3	0	WSW	1	b	45	94	8	-	-	0	Ci	2	0
Pembroke (St. Ann's H.)	1024.7	-1	W	4	cd	48	94	7	4000	St Cu	8	-	8	3
Ross-on-Wye	1023.6	-2	SWS	2	0	45	85	8	2500	St Cu	9	-	9	•
Leafield	1025.4	-1	NW	2	o/r	43	85	6	5700	Cu	10	-	10	•
Andover	1025.3	0	WNW	3	0	45	85	7	2500	St Cu	10	-	10	•
S. Farnborough	1023.3	0	WNW	3	0	45	92	8	2500	St Cu	10	-	10	•
London (Kew Obsy.)	1024.8	0	WSW	2	c	46	85	6	2500	St Cu	7	-	7	•
Croydon	1024.6	0	W	2	0	46	85	7	4000	St Cu	9	A St	10	•
Clacton-on-Sea	1022.7	0	WNW	3	bc	42	92	6	2500	Cu	4	-	4	0
Shoeburyness	1023.8	0	W	3	mno	47	85	4	2500	St Cu	10	-	10	•
Grain	1024.2	0	WSW	3	o t	44	92	6	4000	St Cu	10	-	10	0
Lympne	1024.3	0	WNW	3	od	41	94	5	1500	Nb	10	-	10	•
Scilly (St. Mary's)	1029.0	-1	WNW	4	o/r	48	94	6	4000	St Cu	10	-	10	4
Falmouth (Pendennis)	1029.0	-1	WNW	3	od	48	94	7	5700	St Cu	10	-	10	0
Plymouth (Cattewater)	1027.1	-2	W	3	o/r	48	94	7	800	St Cu	10	-	10	1
Portland Bill	1026.1	-2	W	3	o t	49	92	7	2500	Nb	10	-	10	0
Southampton (Calshot)	1026.3	0	WSW	3	0	47	85	8	1500	St	10	-	10	3
Dungeness	1029.3	+1	W	3	o r	44	92	8	4000	Nb	10	-	10	0
Guernsey	1029.3	-1	W	2	o/r	49	94	8	4000	St Cu	10	-	10	•

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 16

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 15-16 °F.	Temperature. Max. Day. 16 °F.	Rainfall.† Night 17h.-9h. 15-16 mm.	Rainfall.† Day 9h.-17h. 16 mm.	Sunshine.	Sunshine. Sunrise to Sunset. 16 hr.
Montrose	bc	bcc	36	53	0.2	-		2.2
Berwick-on-Tweed	pr cv	ocbcc	36	53	0.9	-		1.6
Llandudno	cbc	ccb	42	49	2	0.4		0.4
Colwyn Bay	c	c	41	50	-	-		1.3
Rhyl	c	c	41	51	0.6	-		0.1
Southport	ocr	oco	41	47	0.5	0.2		0.7
Blackpool	oc	po	42	46	0.3	0.1		0.3
Ilkley	bcc	bc	41	47	-	-		0.0
Harrogate	oc	co	34	46	3	-		0.0
Skegness	bcoro	obc	32	48	1	-		0.0
Aberystwyth	ooc	o	43	47	-	-		0.0
Bath	moc	ocbcb	35	49	-	-		1.5
Leamington Spa	cb	cb	34	48	-	-		2.0
Lowestoft	o	o	32	48	0.4	-		0.0
Felixstowe	o	om	34	48	-	-		0.9
Southend	o	oro	32	46	-	0.5		0.0
Ilfracombe	ocbcc	od	44	49	-	0.1		0.3
Bude	o	od	45	49	0.6	0.3		0.0
Torquay	cc bc	bc cc	37	53	-	-		1.2
Weymouth	c	o	38	48	-	-		0.3
Bournemouth	bc	bc	37	49	-	-		0.8
Portsmouth (S'thsea)	co	ocm	34	48	0.4	-		0.1
Littlehampton	bc	oc	32	47	-	-		1.4
Worthing	bc	bcc	34	47	-	-		1.7
Brighton	cbcco	oobcc	39	47	-	-		2.5
Eastbourne	cbc	bcoro	39	47	-	trace		2.0
Hastings	mcbc	bcco	35	47	trace	-		2.2
Folkestone	bc	bc	35	48	-	-		1.9
Dover	omco	ocmro	37	48	-	-		1.7
Tunbridge Wells	cbc	bbc	32	49	-	-		3.1
Ramsgate	bc	bco	35	?	-	-		1.5
Margate	c	bc	36	50	-	-		2.4
Deal	c	bcc	34	47	-	-		1.2

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* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. § For code see page 8. ‡ See footnote page 1

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B 22641 TUESDAY, 18th DECEMBER 1923.

Observations at 1300 G.M.T. 17th — Observations at 1800 G.M.T. 17th

STATIONS. (For heights see p. 4).	1300 Barom. at M.S.L. mb.	1300 Change in 3 Hours.‡	1300 Wind Direc.	1300 Wind Force 0–12	1300 Weather.	1300 Temp. °F.	1300 Humidity. %	1300 Visibility.§ 0–9	1300 Cloud Low Height Feet	1300 Cloud Low Form	1300 Cloud Low Amt. 0–10	1300 Upper Form.	1300 Total Amt. 0–10	State of ground.	1800 Barom. at M.S.L. mb.	1800 Change in 3 Hours.‡	1800 Wind Direc.	1800 Wind Force 0–12	1800 Weather.	1800 Temp. °F.	1800 Humidity. %	1800 Visibility.§ 0–9	1800 Cloud Low Height Feet	1800 Cloud Low Form	1800 Cloud Low Amt. 0–10	1800 Upper Form.	1800 Total Amt. 0–10	Sea. 0–9
Lerwick	997.9	-7	WSW	3	odd	48	97	6	4000	Nb	10	–	10	·	998.2	+1	WNW	3	bcPR	43	92	6	4000	CuNb	5	ACu	6	2
Stornoway	1004.5	-3	W	5	ororo	50	92	6	450	St	10	–	10	·	1008.3	+4	W	5	bcpr	43	92	7	4000	Cu	6	·	6	4
Wick	1002.2	-4	W	4	o/r	50	92	8	2500	StCu	10	–	10	·	1004.3	+4	WNW	4	opro	44	92	8	2500	CuNb	7	ASt	10	3
Castlebay	1010.0	-2	W	4	ororo	50	97	7	1500	Nb	10	–	10	·	1012.9	+4	W	5	opro	47	75	7	1500	Nb	10	–	10	5
Nairn	·	·	·	·	·	·	·	·	·	·	·	·	·	·	1007.9	·	W	2	c/r	47	85	8	4000	CuNb	8	·	8	·
Aberdeen	1006.7	-4	SW	3	c	52	75	8	4000	StCu	6	CiCu	8	1	1006.4	0	WNW	4	oro	50	92	8	2500	Nb	10	·	10	0
Malin Head	1015.8	-2	WSW	7	oDD	50	97	6	1500	St	10	–	10	·	1016.4	+3	W'N	6	cD-	48	97	7	1500	St	8	·	8	5
Renfrew	1013.2	-6	WSW	5	ojp	51	85	7	1500	Nb	10	–	10	2	1012.0	0	WSW	4	odo	50	92	6	800	Nb	10	·	10	·
Edinburgh (Inchkeith)	1011.7	-4	WSW	5	o-	47	92	8	·	St	9	–	9	·	1008.6	-3	WSW	6	c/r	50	85	7	·	St	5	ACu	8	3
Leuchars	1009.3	-4	WSW	6	o+	49	85	8	800	St	6	ASt	9	1	1007.5	0	WSW	5	c+	53	75	8	1500	St	~~5~~ 8	~~ASt~~	8	· 1–
Eskdalemuir	1015.5	-3	SW'W	5	ojp	46	85	7	1500	StCu	10	–	10	2	1011.9	-3	W	7	oDD	49	85	5	1500	Nb	10	·	10	·
Tynemouth	1015.8	-2	W	3	o	49	85	6	4000	Cu	10	–	10	·	1012.5	-3	W	3	c	51	85	7	4000	Cu	7	·	7	2
Blacksod Point	1020.5	-1	W'N	5	o	50	97	6	·	·	·	·	10	·	1022.1	+2	NW'W	5	o	50	92	7	·	·	·	·	10	6
Donaghadee	1016.4	-1	W	4	bc	50	85	8	800	Cu	3	CiSt	6	·	1017.8	0	SW	3	odd	50	97	7	450	St	10	·	10	3
Birr Castle	1023.4	*	SW	2	oro	49	92	7	4000	Nb	10	–	10	·	1023.3	·	W	3	oro	51	92	6	1500	Nb	10	·	10	·
Holyhead	1022.6	0	W	5	o	49	85	8	1500	St	10	–	10	0	1021.1	-2	WSW	5	o	49	92	8	2500	StCu	9	·	9	4
Liverpool (Bidston)	1020.8	-2	WSW	6	o	47	85	7	1500	Nb	10	–	10	·	1019.0	-2	WSW	4	o+	49	75	8	2500	StCu	10	·	10	5
Chester (Shotwick)	1021.7	-1	NW'W	4	o+	52	75	8	1500	St	10	–	10	5	1019.4	-2	WSW	4	o	51	75	8	2500	StCu	10	·	10	·
Spurn Head	1022.6	-1	W	5	o	?	92	5	1500	StCu	8	Ci	9	·	1016.4	-2	W	5	o	46	85	5	-	-	0	ASt	10	4
Birmingham (Edgbaston)	1022.6	-1	SSW	4	o+	48	85	6	4000	StCu	10	–	10	2	1021.4	-2	SW	4	c⊕	46	85	7	-	-	0	CiSt	8	·
Nottingham	1022.9	-1	W	4	o	49	85	6	2500	StCu	10	–	10	·	1019.3	-2	WSW	4	o+	48	85	6	1500	StCu	10	·	10	·
Cranwell	1021.3	-1	W	4	o+	48	85	6	2500	StCu	10	–	10	1	1019.6	-1	W'S	4	o	46	92	7	2500	St	10	·	10	·
Gorleston	1021.1	0	W'S	2	o+	47	75	6	5700	StCu	10	–	10	·	1019.5	-1	W'S	3	c-	46	92	6	-	-	0	Ci	8	0
Valencia (Cahirciveen)	1023.0	-1	WSW	3	c-	50	92	8	1500	St	8	–	8	1	1026.4	+1	WSW	2	o+	50	92	7	1500	St	10	·	10	4
Roches Point	1025.8	-1	WNW	3	o	50	85	8	2500	StCu	10	–	10	·	1026.6	0	WNW	2	o	50	92	8	4000	StCu	10	·	10	0
Pembroke (St. Ann's H.)	1026.0	0	W	4	o	48	92	8	1500	StCu	10	–	10	·	1025.1	0	W	4	bc-	48	92	8	4000	StCu	4	·	4	4
Ross-on-Wye	1023.5	+2	W	3	c	51	75	8	4000	StCu	7	Ci	8	0	1023.2	0	WSW	2	o	46	85	8	4000	StCu	8	CiSt	9	·
Leafield	1023.3	-2	W	3	b-	49	85	7	2500	St	1	Ci	2	*	1023.2	0	SW	3	c+	45	85	6	–	StCu	8	·	8	·
Andover	1024.3	-1	W'S	4	b-	49	85	7	800	StCu	3	–	3	1	1024.3	0	W	4	o	46	92	7	1500	StCu	10	·	10	·
S. Farnborough	1024.0	-3	W	4	c-	49	85	7	800	StCu	8	–	8	1	1023.9	0	W	4	o	47	92	6	800	StCu	10	·	10	·
London (Kew Obsy.)	1023.4	-4	WSW	3	o/r	48	85	6	2500	StCu	10	–	10	1	1023.1	0	W'S	3	o	48	85	6	1500	St	10	·	10	·
Croydon	1023.4	-4	W	4	o	48	92	6	1500	St	10	–	10	1	1023.6	+1	W	3	o+	47	85	6	1500	StCu	10	·	10	·
Clacton-on-Sea	·	·	·	·	·	·	·	·	·	·	·	·	·	·	1021.8	-1	W	3	c⊕	44	97	5	-	-	0	ASt	7	0
Shoeburyness	1023.0	-1	W'S	3	mmo	48	85	5	2500	St	10	–	10	·	1022.3	-1	WSW	4	mc-	46	85	6	4000	St	5	ACu	7	·
Grain	1023.1	-2	SW	4	off	49	85	6	2500	StCu	10	–	10	2	1022.4	-1	SW'W (~~WSW~~)	4	o⊕	46	85	7	4000	Cu	4	CiSt	9	0
Lympne	1023.3	-3	W'S	4	c	49	85	7	1500	StCu	6	CiCu	7	2	1023.1	0	W	3	o	44	97	6	4000	StCu	9	·	9	·
Scilly (St. Mary's)	1023.1	0	W'N	4	c/f	49	97	7	4000	StCu	4	ASt	7	·	1025.4	0	WNW	4	bc	48	92	8	4000	StCu	2	CiCu	5	4
Falmouth (Pendennis)	1029.8	+1	WNW	2	odo	49	92	8	5700	StCu	8	–	8	·	1028.0	-1	NNW	3	bc/r	49	85	8	5700	StCu	5	·	5	0
Plymouth (Cattewater)	1027.5	0	W	3	c	50	92	7	1500	StCu	8	–	8	1	1027.4	0	W	3	o	48	97	7	1500	StCu	10	·	10	0
Portland Bill	1025.5	-2	WNW	2	c-	51	85	7	4000	StCu	10	–	10	·	1025.4	0	WNW	2	o+	49	92	8	4000	StCu	10	·	10	1
Southampton (Calshot)	1025.3	-3	W	4	o	51	85	8	1500	StCu	9	–	9	0	1025.1	0	W	3	c-	48	85	8	1500	StCu	8	·	8	0
Dungeness	1024.4	0	W	3	bc+	48	85	7	4000	Cu	6	–	6	·	1023.7	0	W	3	o	46	97	7	5700	CuNb	10	·	10	4
Guernsey	1027.6	-1	WNW	3	odo	49	92	8	1500	Nb	8	–	8	·	1027.7	+1	WNW	4	o	49	92	7	2500	StCu	10	·	10	1

LONDON OBSERVATIONS. (Weather and Temperature: 24 HOURS ENDED 0000 G.M.T. 18th; Kew, Croydon: 24 hours ended 0700)

LONDON OBSERVATIONS	Height above M.S.L. in feet	Weather Morning	Weather Afternoon	Weather Night	Temp. Max. °F.	Temp. Min. °F.	Min. on Grass °F.	Rainfall mm. Day	Rainfall mm. Night	Sunshine to Sunset, hrs. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)	Visibility 9h.
Kew	15	oid	omemr	omkb	·	·	39	-	Tr	0.8	·	·	·
Croydon	244	obxom	ocm	combp	·	·	40	-	-	0.9	·	·	6
Greenwich (Royal Obsy.)	149	o	c ⊕	ob	50	45	34	-	·	0.2	81	88	3
City (Bunhill Row)	80	·	·	·	·	·	·	·	·	0.0	·	·	·
Westminster (St. James' Pk.)	27	·	·	·	50	44	35	-	-	0.2	83	92	·
Regent's Pk. (Botanic Gdns).	188	·	·	·	·	·	·	·	·	0.0	·	·	·
Camden Square	110	co	oco	·	50	44	36	-	-	·	·	94	·
Kensington Palace	80	o	o	·	50	42	36	-	-	·	(At 18h 86)	86	·
Hampstead Observatory	450	·	·	·	48	43	30	-	Tr	0.6	·	92	·

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 HR. ended 1800 G.M.T. 17th

South Kensington Max.	Time.	Min.	Time.
-	-	-	-

Kew Observatory Max.	Time.	Min.	Time.
-	-	-	-

POLE STAR RECORD at Greenwich Obsy.

Exposure from 17th 17 h. 0 m. to 18th 6 h. 45 m.

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	13 45	11 5	81
δ Ursae Minoris	13 45	10 43	78

CODE FOR STATE OF GROUND.
0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain, or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.[1]

Time.	Type.	No. per 4 sec.	Stren.	Direc.
13h.	-	-	-	-
18h.	-	-	-	-
01h.	-	-	-	-
07h.	-	-	-	-

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM. 18th & 19th DECEMBER, 1923.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	8.3	11.50	3.34
	8.3	11.50	3.34
Greenwich	8.4	11.54	3.50
	8.4	11.54	3.50
Wick	9.2	12.9	3.16
	9.2	12.9	3.16
Valencia	8.45	12.35	4.26
	8.45	12.35	4.28

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, „ less than 200 m.
m mist, „ 1000—10000 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. r rain. s snow.
rs sleet t thunder.
u ugly, threatening sky.
v unusual visibility. w dew.
x hoar frost. y dry air.
z dust haze; the turbid atmosphere of dry weather.
h(r)="hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity.
R = heavy rain. r_0 = slight rain.
rr = continuous rain.

SYMBOLS.
< = { less than (for cloud height). before (for precipitation).
⊕ = solar halo. ⩌ = lunar halo.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions, thus:—bc/r = fair weather after rain; - = "decreasing"; + = "increasing."

The BEAUFORT SCALE of WIND is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers, is the speed at about 30 feet above the ground.

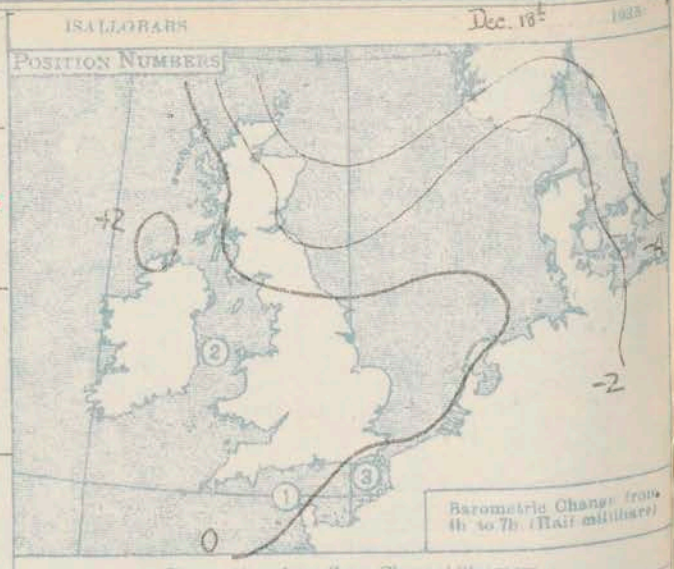
Beaufort No.	Statute miles per hour.
0	Less than 1
1	1-3
2	4-7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

SEA DISTURBANCE.
0=no swell, 1=mod. swell, 2=heavy swell } Calm or slight sea.
3=no swell, 4=mod. swell, 5=heavy swell } Moderate sea.
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

[1] For explanation see Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 7

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 14h.	13h.-18h. 14h.	18h. 14h. to 1h. 18.	1h.-7h. 18.	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS	RAINFALL.† Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began.	SUN. 14h. Hours.
Lerwick	omd	bcpr	cpqhs	OPRQ	48	35	•	9	2	4060	<2100	0.0
Stornoway	rd	p	p	prhq	51	36	•	3	4	-	-	0.0
Wick	oid	opr	cprq	cprsq	51	35	•	1	4	11.00	<2100	•
Castlebay	or	r.op	opco	ohpbc	50	39	•	0.5	1	-	-	0.0
Nairn	bcq	rrc	rrq	pcbcq	53	35	•	0.6	3	11.00	2200	1.1
Aberdeen	bcmt	ccopr	orr	cprbbq	52	39	36	1	0.2	16.30	<2100	0.2
Malin Head	ome	oimd	coid	coPRq	50	42		0.3	1	13.30	<2100	0.1
Renfrew	oqdo	odqq	bq	oqprbb	51	40	36	0.6	0.4	40800	0630	0.9
Edinburgh(Inchkeith)	oo	ir	p	b	51	42	•	0.6	Trace	13.30	2400	0.0
Leuchars	oco	ocbcc	bbcb	bb	53	40	36	-	-	-	-	0.3
Eskdalemuir	oo	ordm	orbc	bcodc	49	38	35	5	3	40800	<2100	0.1
Tynemouth	oq	cq	cq	bbcm	51	42	39	-	-	-	-	•
Blacksod Point ...	c	f-m	c	oo	51	41	•	1	-	-	-	•
Donaghadee	c	omd	cpq	bcq	51	42	•	0.2	1	13.30	<2100	•
Birr Castle	orr	coir	crr	bc	51	43	39	0.5	0.1	40800	<2100	0.0
Holyhead	coco	oprr	oo	oo	49	44	46	Trace	-	16.30	-	0.4
Liverpool (Bidston)...	cobco	co	coq	oo	50	45	39	-	-	-	-	0.8
Chester (Shotwick) ...	obcco	ocoo	oq	ocq	55	46	46	-	-	-	-	1.5
Spurn Head	c	ogcqo	ocqc	c	44	42	•	-	-	-	-	1.6
Birmingham(Edgbaston)	cbcc	oo	cbco	oo	50	45	41	-	-	-	-	2.4
Nottingham	bc	c	oc	oo	50	46	41	-	-	-	-	2.2
Cranwell	orcb	bcoco	c	c	49	43	41	Trace	Trace	40800	-	2.4
Gorleston	bcco	oc	cv	cbcbv	49	43	38	-	-	-	-	2.4
Valencia (Cahirciveen)	odopc	co	om	ocbcm	51	49	44	0.3	Trace	408.00	-	1.2
Roches Point	bbco	oco	oc	co	51	49	•	-	-	-	-	•
Pembroke(St.Ann's H.)	oo	c	c	owr	50	43	•	-	Trace	-	0330	0.6
Ross-on-Wye	cocvbcc	cbcco	cbcvo	oqcq	53	41	40	-	-	-	-	2.6
Leafield	obc	co		bccoq	50	41	42	-	-	-	-	2.0
Andover	oddb	bcco	oco	ocbcb	49	43	39	0.2	-	40800	-	1.5
S. Farnborough ...	oc	comm	ombc	bcco	51	43	34	-	Trace	-	-	1.2
London (Kew Obsy.)...	oido	omcmom	ombc	bcbb	50	45	39	-	Trace	-	-	0.8
Croydon	obcom	obm	com	obw	50	45	40	-	-	-	-	0.9
Clacton-on-Sea ...	bccoqm	ogcm	com	omc	46	43	40	-	-	-	-	0.8
Shoeburyness... ...	om	omoidm	cmcm	cm	49	45	40	Trace	-	13.30	-	0.0
Grain	om	orcb	ocq	ocbcm	49	44	39	Trace	-	13.30	-	0.2
Lympne	ocm	cm	ocbcc	com	50	41	34	Trace	Trace	40800	-	1.1
Scilly (St. Mary's) ...	cmifd	cobc	bc	comqd	50	44	•	0.3	0.2	40800	0430	0.4
Falmouth (Pendennis)	bcomd	bcomd	bcomd	omid	50	44	•	0.3	0.1	40800	2200	0.6
Plymouth(Cattewater)	orc	cor	oo	oo	51	44	45	0.3	-	40800	-	1.3
Portland Bill	c	c	c	c	51	48	•	-	-	-	-	•
Southampton(Calshot)	oo	oo	c	cbc	51	43	41	-	-	-	-	1.2
Dungeness	c	c	c	bbc	49	43	•	0.4	-	40800	-	•
Guernsey	odcdoc	odo	odoco	oq	50	48	•	2	Trace	40800	2200	•



Observations from Cross Channel Steamers

Position	Date and Time	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea	Visibility
2	17th 1000	SCOTIA	W	4	CV	49	50	9
3	18th 0300	BRIGHTON	W	6	CO+	49	51	8

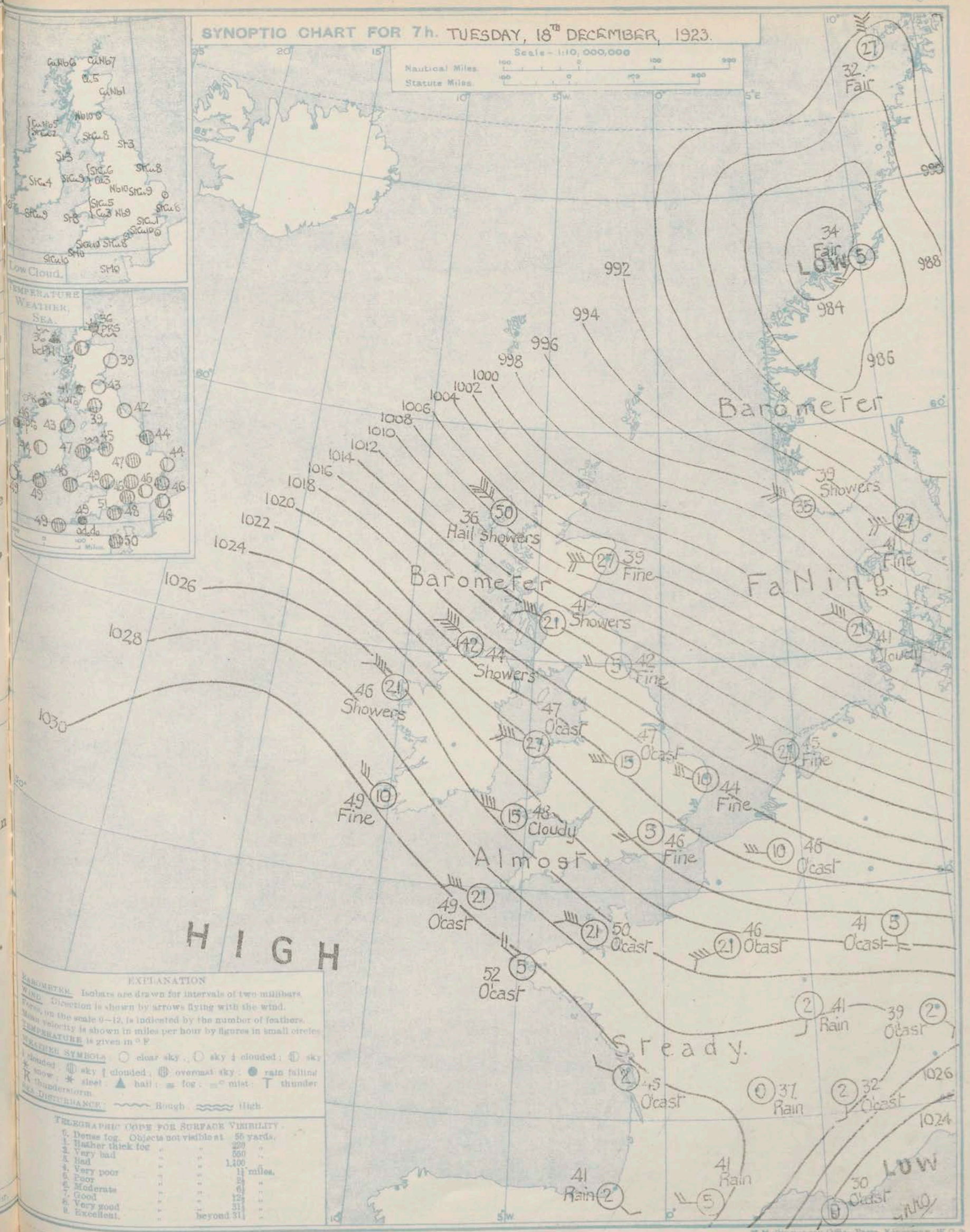
GENERAL INFERENCE.

Depressions will probably continue to keep to the north of the British Isles causing the westerly winds to blow strongly at times in the North, with occasional rain. In the South, the winds will be moderate or fresh with mainly fair and rather mild weather.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Tuesday, 18th December, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Moderate or fresh westerly winds; fair; visibility moderate or good; mild.	Unsettled in the North; mainly fair in the South. --- South Cone still flying. ---
5. S.W. England 6. South Wales	Moderate or fresh westerly winds; mainly fair but occasional drizzle locally; visibility moderate or good; mild.	
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Westerly wind, strong at times; occasional slight rain; visibility moderate or good; rather mild.	
11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N.& N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands 17. N.W. Ireland 18. N.E. Ireland	Strong westerly winds, a gale at times locally; cloudy, occasional showers; visibility moderate or good; temperature moderate at first, rising later.	
19. S.E. Ireland 20. S.W. Ireland	As 5 to 6.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0920 GMT. Sd. G. C. SIMPSON, F.R.S., Director.

† For Code see opposite page.



H.M. Stationery Office Press, Kingsway, W.C.2.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. Tuesday, 18th December 1923. No. 352.

Observations at 0100 G.M.T. 18th

Stations.	Height above M.S.L. in feet.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10
Lerwick	54	994.4	-2	NW	5	o3	40	85	6	4000	Cu Nb	4	A Cu	9
Stornoway	51	1004.2	-2	WNW	5	PH	•	•	5	•	•	•	•	•
Wick	81	1003.6	-3	WNW	5	bcpr.	38	92	8	2500	Cu Nb	6	-	6
Castlebay	37	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	46	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	71	1018.5	0	WNW	4	b/r	45	85	8	4000	St Cu	3	-	3
Renfrew	38	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	190	1011.4	+2	WSW	4	bc.	44	85	8	•	Cu Nb	1	A Cu	4
Leuchars	36	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	794	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	118	1014.0	+2	W	1	b.	45	85	8	4000	Cu	3	-	3
Blacksod Point	10	1024.8	+2	NW'W	5	0	44	95	4	•	•	•	•	10
Donaghadee	35	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	175	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	26	1021.4	+1	WNW	5	0	49	92	8	2500	St Cu	10	-	10
Liverpool (Bidston)	189	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick)	16	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	26	1014.3	-3	W	4	b	48	85	4	-	-	0	-	0
Birmingham (Edgbaston)	525	•	•	•	•	•	•	•	•	•	•	•	•	•
Nottingham	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	237	1014.9	-1	WNW	4	c	49	92	4	2500	St Cu	6	A Cu	8
Gorleston	13	1014.9	0	W'S	4	o+	44	85	8	5400	St Cu	9	-	9
Valencia (Cahirciveen)	30	1028.4	+1	W	2	mmo	50	94	5	•	St	10	-	10
Roches Point	32	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	149	1025.2	0	W	3	bc	50	92	8	4000	St Cu	6	-	6
Ross-on-Wye	223	•	•	•	•	•	•	•	•	•	•	•	•	•
Leafield	556	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	295	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough	230	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.)	18	•	•	•	•	•	46	•	•	•	•	•	•	•
Croydon	244	1022.2	-1	WSW	4	0	46	92	4	4000	St Cu	6	A St	9
Clacton-on-Sea	54	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	11	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	20	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	350	1022.3	-2	W	3	c	41	94	6	2500	St Cu	4	.	4
Scilly (St. Mary's)	131	1029.2	0	WNW	4	c+	50	94	4	4000	St Cu	8	-	8
Falmouth (Pendennis)	200	1029.0	0	WNW	3	0	50	94	6	4000	St Cu	10	-	10
Plymouth (Cattewater)	82	-	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	19	1022.8	-1	W	2	0	49	85	8	4000	St Cu	10	-	10
Southampton (Calshot)	12	1022.8	-2	W'S	4	c	46	92	8	2500	St	5	A St	4
Dungeness	21	1022.2	-1	W	4	c	46	92	8	4000	Nb	1	A Cu	4
Guernsey														

Observations at 0700 G.M.T. 18th

Stations.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea 0-9
Lerwick	988.9	-12	WNW	8	pr.	40	85	6	2500	Cu Nb	7	-	7	7
Stornoway	1004.4	+1	NW	9	bcPH	36	92	4	4000	Cu Nb	6	-	6	4
Wick	1000.4	-4	WNW	6	cPRS	36	92	8	2500	Cu Nb	4	-	4	6
Castlebay	1015.5	+1	WNW	5	bc/sh	40	85	8	1500	Nb	6	-	6	6
Nairn	1006.8	•	W	4	bc/r	34	85	8	4000	Cu	5	-	5	•
Aberdeen	1006.2	-2	W	6	b	39	95	8	2500	Cu Nb	1	-	1	3
Malin Head	1019.4	+2	NW	8	cPR	44	85	8	5400	Cu Nb	4	-	4	4
Renfrew	1014.2	-1	WNW	5	opr.	41	85	6	1500	Nb	10	-	10	•
Edinburgh (Inchkeith)	1009.4	-2	W	5	b+	43	95	8	•	-	0	A St	1	3
Leuchars	1008.4	-1	WSW	5	b+	41	65	8	1500	St	3	-	3	•
Eskdalemuir	1014.5	0	W	5	c/r	39	95	4	1500	St Cu	8	-	8	•
Tynemouth	1014.2	0	W	2	b	42	85	6	800	St	3	-	3	2
Blacksod Point	1026.5	+1	NW	5	opr.	46	85	4	•	•	•	•	10	5
Donaghadee	1019.4	+1	WNW	4	b.	43	85	8	800	St	3	-	3	4
Birr Castle	1025.9	•	W	1	bc.	44	92	4	4000	St Cu	4	-	4	•
Holyhead	1022.8	+1	W'N	6	o	44	95	8	2500	St Cu	9	-	9	5
Liverpool (Bidston)	1020.1	-1	W	4	o+	45	85	8	2500	St Cu	9	-	9	•
Chester (Shotwick)	1020.4	0	WNW	4	bc	46	95	8	2500	St Cu	6	-	6	
Spurn Head	1016.3	+1	W	5	c	44	96	6	4000	St Cu	8	-	8	4
Birmingham (Edgbaston)	1021.8	+1	WSW	4	c-	45	93	8	2500	St Cu	8	-	8	•
Nottingham	1019.4	+1	W	4	o	44	95	5	800	Nb	10	-	10	•
Cranwell	1019.2	+2	WNW	4	o	45	85	4	1500	St Cu	9	-	9	•
Gorleston	1018.3	0	WNW	3	b-	44	75	8	-	-	0	A Cu	2	1
Valencia (Cahirciveen)	1029.8	+1	NW	3	bc	49	94	6	225	St.	5	-	5	3
Roches Point	1028.4	+1	NW	3	o	49	92	8	1500	St Cu	9	-	9	0
Pembroke (St. Ann's H.)	1025.6	0	WNW	4	c	48	92	8	2500	St	8	-	8	4
Ross-on-Wye	1022.6	+1	WNW	5	c	49	95	9	4000	St Cu	8	-	8	•
Leafield	1021.9	+1	W	3	o+	46	85	8	1500	Nb	9	-	9	
Andover	1022.5	-1	W'N	3	b-	44	92	8	1500	St Cu	2	-	2	•
S. Farnborough	1021.6	0	W'N	3	o	48	92	4	800	St Cu	10	-	10	•
London (Kew Obsy.)	1021.6	+1	WSW	2	b+	46	92	4	2500	St Cu	1	Ci Cu	2	•
Croydon	1021.6	+1	WNW	3	b+	46	92	6	2500	St Cu	1	Ci Cu	3	
Clacton-on-Sea	1019.4	0	W	3	c	46	92	6	5400	St Cu	8	-	8	1
Shoeburyness	1020.4	-1	NW	1	mpbc	44	93	6	4000	St Cu	3	A Cu	3	•
Grain	1020.8	0	W'S	4	bc	45	92	6	2500	St	4	Ci Cu	5	0
Lympne	1021.1	-1	W'S	3	o+	44	94	6	1500	St Cu	8	A St	9	•
Scilly (St. Mary's)	1028.9	0	WNW	3	o	49	94	4	4000	St Cu	10	-	10	3
Falmouth (Pendennis)	1027.8	+1	NW	4	ocd	49	94	6	4000	St	10	-	10	0
Plymouth (Cattewater)	1026.6	0	WNW	4	o	52	85	8	2500	St Cu	10	-	10	0
Portland Bill	1023.4	0	WNW	3	c.	51	85	8	4000	St Cu	8	-	8	1
Southampton (Calshot)	1023.2	0	W'N	4	b.	48	92	8	-	-	0	-	0	0
Dungeness	1021.8	-1	WSW	4	bc	46	94	8	-	-	0	A Cu	4	4
Guernsey	1026.6	0	W'N	3	o	50	94	6	2500	St	10	-	10	3

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 17th Dec.

Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 16-17 °F	Temperature. Max. Day. 17 °F.	Rainfall.† Night 17h.-9h. 16-17 mm.	Rainfall.† Day 9h.-17h. 17 mm.	Sunshine.	Sunshine. Sunrise to Sunset. 17 hr.
Montrose	cbc	cbro	44	52	-	0.1		0.7
Berwick-on-Tweed	cbcco	ocbco	46	51	-	-		1.0
Llandudno	co	ocbcc	46	49	-	-		0.8
Colwyn Bay	bc	oc	46	53	-	-		1.7
Rhyl	cbc	c	46	51	-	-		1.5
Southport	cacbc	bcco	44	47	-	-		0.3
Blackpool	od	co	44	46	-	1		-
Ilkley	amd	o	44	47	0.3	-		1.2
Harrogate	c	bcco	44	47	-	-		1.2
Skegness	bbcb	bcoc	42	49	trace	-		3.0
Aberystwyth	occ	o	44	47	-	-		0.2
Bath	goc	cog	45	50	-	-		0.3
Leamington Spa	ocb	cbo	34	50	0.2	-		2.3
Lowestoft	acbco	aacbo	41	47	-	-		1.8
Felixstowe	cm	bcm	41	47	-	-		1.4
Southend	o	ac	38	47	0.1	-		-
Ilfracombe	od	od	48	49	-	o1		-
Bude	d	d	47	49	1	0.3		-
Torquay	b	bcco	46	55	-	-		4.7
Weymouth	cbc	bcc	47	49	1	-		1.1
Bournemouth	bc	bc	43	51	-	-		2.0
Portsmouth (S'thsea)	ambc	am	P	50	-	-		1.1
Littlehampton	oc	oc	40	50	-	-		0.6
Worthing	bc	bco	41	49	-	-		0.8
Brighton	o	occ	37	48	-	-		0.7
Eastbourne	o	acoc	43	49	-	-		0.3
Hastings	amoc	cobcco	40	48	0.6	-		1.8
Folkestone	roc	bc	39	50	2	-		0.8
Dover	amco	amco	42	50	0.5	-		0.1
Tunbridge Wells	o	oco	39	50	trace	-		1.5
Ramsgate	o	o	42	48	0.6	-		-
Margate	o	o	42	49	0.1	-		-
Deal	bcc	cc	42	49	trace	-		-

TERMS OF SUBSCRIPTION.—6/6 per quarter or 25/- per year, post free. Single copies may be obtained at the Meteorological Office, price 1d.

* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. § For code see page 3. ‡ See footnote page 1

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.22642 WEDNESDAY, 19th DECEMBER ....1923.

Observations at 1300 G.M.T. 18th

STATIONS. (For heights see p.4).	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Low. Form	Low. Amt. 0-10	Upper Form.	Total Amt. 0-10	State of ground.
Lerwick	994.0	-15	NNW	8	bc/sh	40	85	4	4500 (~~7200~~)	CuNb	4	ACu	5	·
Stornoway	1015.0	+7	NW	6	bcPH	42	65	7	4000	CuNb	6	-	6	·
Wick	1004.7	+7	NW	9	CPRS	41	85	8	2500	CuNb	7	-	7	·
Castlebay	1020.0	+5	NW	5	bc/r(h)	44	75	8	2500	Nb	6	-	6	·
Nairn	·	·	·	·	·	·	·	·	·	·	·	·	·	·
Aberdeen	1008.1	+5	WNW	7	b	41	75	8	2500	Cu	1	-	1	1
Malin Head	1022.9	+3	NW	8	c|b	45	75	8	5700	StCu	7	-	7	·
Renfrew	1017.6	+4	WNW	5	cPR-	41	85	8	2500	Nb	8	-	8	2
Edinburgh (Inchkeith)	1012.7	+3	W	6	b	41	85	8	·	Cu	3	-	3	·
Leuchars	1012.1	+4	WNW	6	b	41	75	8	-	-	0	-	0	1
Eskdalemuir	1017.0	+2	W'N	7	c	39	75	7	2500	StCu	8	-	8	1
Tynemouth	1014.3	0	W	5	b	43	75	7	-	-	0	-	0	·
Blacksod Point	1028.9	+2	NNW	5	o	46	92	8	·	·	·	·	9	·
Donaghadee	1022.5	+2	NNW	4	bc-	43	85	8	450	St	3	ACu	5	·
Birr Castle	1028.4	*	SW	1	c+	45	85	7	4000	StCu	7	-	7	·
Holyhead	1024.9	+2	WNW	6	c	46	85	8	2500	StCu	7	ACu	8	0
Liverpool (Bidston)	1021.4	+1	W	7	bc-	45	75	7	1500	Cu	6	-	6	·
Chester (Shotwick)	1022.2	+1	W'N	7	c-	46	75	8	2500	StCu	8	-	8	5
Spurn Head	1015.8	-1	NW'W	7	o	44	75	7	4000	StCu	6	Ci	9	-
Birmingham (Edgbaston)	1022.1	0	W	6	bc	45	75	8	4000	StCu	6	-	6	2
Nottingham	1020.2	0	NW	4	c	47	75	6	1500	CuNb	8	-	8	·
Cranwell	1019.7	0	WNW	5	c+	45	75	8	2500	StCu	7	-	7	0
Gorleston	1018.4	0	WNW	5	c+	46	75	6	-	-	0	ACu	9	·
Valencia (Cahirciveen)	1031.7	+1	NW'N	3	c-	48	75	8	2500	StCu	5	ACu	7	1
Roches Point	1029.7	0	NW	4	o	48	75	8	2500	StCu	10	-	10	·
Pembroke (St. Ann's H.)	1027.4	0	WNW	4	bc	47	75	8	4000	Cu	6	-	6	·
Ross-on-Wye	1023.5	+1	WNW	5	c-	47	65	9	4000	Cu	7	-	7	0
Leafield	1023.0	-1	W	4	c/p	45	75	9	7200	Cu	7	-	7	*
Andover	1023.7	0	WNW	5	c+	49	65	7	2500	StCu	7	-	7	1
S. Farnborough	1023.4	0	WNW	4	bc-	47	75	8	2500	StCu	6	-	6	1
London (Kew Obsy.)	1022.9	0	WNW	3	o	48	65	8	2500	StCu	9	-	9	1
Croydon	1023.2	+1	NW	4	c	47	65	7	4000	StCu	8	-	8	1
Clacton-on-Sea	·	·	·	·	·	·	·	·	·	·	·	·	·	·
Shoeburyness	1021.5	+1	NW	5	bc+	48	65	8	4000	StCu	6	-	6	·
Grain	1021.7	0	WNW	5	c	48	65	7	2500	StCu	8	-	8	2
Lympne	1021.9	0	NNW	3	o	47	75	6	1500	StCu	9	-	9	2
Scilly (St. Mary's)	1029.8	0	WNW	5	od₀	50	97	6	4000	StCu	10	-	10	·
Falmouth (Pendennis)	1029.0	0	NW	4	od₀	49	97	6	2500	St	10	-	10	·
Plymouth (Cattewater)	1027.7	0	NNW	4	o	49	92	8	1500	StCu	9	-	9	1
Portland Bill	1025.0	0	NW	4	bc-	50	65	7	4000	Cu	5	Ci	6	·
Southampton (Calshot)	1024.3	0	WNW	5	bc	48	75	8	2500	StCu	4	-	4	0
Dungeness	1022.1	+1	NW	4	bc	50	65	8	4000	Cu	5	-	5	·
Guernsey	1027.0	-2	NWW	6	o	50	97	8	2500	StCu	9	-	9	·

Observations at 1800 G.M.T. 18th

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Low. Form	Low. Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1009.7	+14	NNW	8	or₀+	36	85	6	4000	Nb	10	-	10	7
Stornoway	1019.4	+4	NW	4	bc-	39	75	8	1500	Nb	4	-	4	3
Wick	1013.6	+8	NW	5	bcph₀	36	92	8	2500	CuNb	6	-	6	6
Castlebay	1022.4	+1	NW	4	bc/r	40	85	8	2500	StCu	6	-	6	4
Nairn	1017.7	·	NNW	5	b-	39	75	8	4000	Cu	3	-	3	·
Aberdeen	1014.6	+8	WNW	6	bc	37	85	8	2500	CuNb	5	-	5	3
Malin Head	1024.7	+2	NW	7	o+	44	85	8	5700	StCu	3	A.Cu	9	7
Renfrew	1021.1	+6	NW	3	b₀	37	92	8	-	-	0	-	0	·
Edinburgh (Inchkeith)	1017.5	+5	W	5	b-	38	85	8	·	-	0	Ci.St	1	3
Leuchars	1016.9	+6	WNW	5	b₀	39	55	8	-	-	0	-	0	·
Eskdalemuir	1020.2	+4	WNW	5	b₀	35	75	7	-	-	0	-	0	·
Tynemouth	1018.0	+4	W	3	b₀	39	75	7	-	-	0	-	0	2
Blacksod Point	1030.1	+2	NW	4	o	43	85	7	·	·	·	·	9	4
Donaghadee	1024.1	+2	NNW	3	b-	40	85	8	800	St.	3	-	3	5
Birr Castle	1029.5	·	W	2	o+	41	85	6	4000	StCu	9	-	9	·
Holyhead	1026.1	+2	NW'W	6	c	45	85	8	2500	StCu	7	-	7	5
Liverpool (Bidston)	1023.7	+3	W	7	b/r	42	75	8	-	-	0	CiCu	3	7
Chester (Shotwick)	1023.8	+1	WNW	6	bc	43	75	7	2500	StCu	5	-	5	·
Spurn Head	1018.0	+2	W	6	b₀	41	75	7	-	-	0	-	0	5
Birmingham (Edgbaston)	1024.5	+4	WNW	5	b₁	42	75	7	-	-	0	A.Cu	2	·
Nottingham	1023.7	+3	NNW	4	b₀	43	75	7	-	-	0	-	0	·
Cranwell	1021.4	+3	WNW	5	b₀	40	85	7	-	-	0	-	0	·
Gorleston	1019.2	0	NWW	4	b₀	42	75	6	-	-	0	-	0	0
Valencia (Cahirciveen)	1032.5	+2	NW'N	2	bc-	46	85	8	2500	StCu	4	A St	6	4
Roches Point	1031.0	+2	NW	2	o-	45	65	8	4000	StCu	9	-	9	0
Pembroke (St. Ann's H.)	1028.7	+1	W'N	3	bc	46	75	8	4000	Cu	6	-	6	4
Ross-on-Wye	1025.6	+2	WNW	4	c	44	65	9	4000	StCu	8	-	8	·
Leafield	1024.0	+2	NW	5	bc	40	75	9	-	Cu	6	-	6	·
Andover	1025.8	+3	WNW	3	o	44	75	8	4000	StCu	10	-	10	*
S. Farnborough	1025.0	+2	WNW	3	c-	44	75	8	4000	StCu	8	-	8	·
London (Kew Obsy.)	1024.5	+3	W	2	o	45	65	6	2500	StCu	10	-	10	·
Croydon	1024.6	+3	NW'W	3	o/r	44	75	6	2500	StCu	10	-	10	·
Clacton-on-Sea	1021.4	+1	WNW	4	b-	43	75	7	4000	Cu	3	-	3	1
Shoeburyness	1022.6	+1	NW	4	b₀	43	75	8	-	-	0	-	0	·
Grain	1023.0	+2	WNW	5	b	43	75	7	4000	Cu	2	-	2	0
Lympne	1023.0	+2	NW	4	c-	42	75	6	2500	StCu	7	-	7	·
Scilly (St. Mary's)	1030.0	0	NNW	3	mo	47	97	6	2500	Nb	10	-	10	4
Falmouth (Pendennis)	1029.5	+2	NW	3	c-	48	75	8	5700	StCu	8	-	8	0
Plymouth (Cattewater)	1028.9	+1	NW	2	b+	45	85	7	4000	StCu	3	-	3	0
Portland Bill	1027.1	+4	NW	4	o+	47	65	7	4000	Cu	10	-	10	3
Southampton (Calshot)	1026.5	+3	NW'W	4	o+	45	75	8	4000	StCu	10	-	10	0
Dungeness	1023.8	+1	NW	3	bc-	45	75	8	5700	Cu	4	-	4	3
Guernsey	1028.3	+2	NNW	5	o	47	85	8	4000	StCu	9	-	9	3

LONDON OBSERVATIONS.	Heights above M.S.L. in feet.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Temperature. Max. °F.	Min. °F.	Min. on Grass. °F.	Rainfall mm. Day.	Rainfall mm. Night.	Sunshine to Sunset, hrs.	Humidity. 15h. G.M.T. % (Yesterday)	Humidity. 9h. G.M.T. % (To-day)	Visibility 9h.
		24 HOURS ENDED 0900 G.M.T. 19th								YESTERDAY.		TO-DAY.	
Kew } 24 hours ended 0700	18	bo	bcmgm	ocbmom	·	·	32	-	-	1.4	·	·	6
Croydon } 24 hours ended 0700	244	obcm	ozfo	obzbco	·	·	34	Tr	-	2.7	·	·	6
Greenwich (Royal Obsy.)	149	c	ozc	obco	48	38	19	-	-	1.1	66	81	4
City (Bunhill Row)	80	·	·	·	·	·	·	·	·	0.0	·	·	·
Westminster (St. James' Pk.)	27	·	·	·	49	32	31	-	-	1.3	96	96	·
Regent's Pk. (Botanic Gdns).	168	·	·	·	·	·	·	·	·	1.5	·	·	·
Camden Square	110	bbc	coc	·	48	38	33	-	-	·	·	85	·
Kensington Palace	80			·	49	39	29	-	-	·	At 18h 66	34	·
Hampstead Observatory	450	·	·	·	48	31	25	-	-	3.1	·	84	·

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 1600 G.M.T. 18th

South Kensington Max.	Time.	Min.	Time.
0.6	19h. 17th	<0.3	1h. 18th
1.0	9h. 18th		

Kew Observatory Max.	Time.	Min.	Time.
–	–	–	–

POLE STAR RECORD at Greenwich Obsy.

Exposure from 18th 17h. 0m. to 19th 6h. 45m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	13 45	4 5	51
δ Ursae Minoris	13 45	6 29	47

CODE FOR STATE OF GROUND.
0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.[1]

Time.	Type.	No. per 4 sec.	Stren.	Direc.
13h.	-	-	-	-
18h.	-	-	-	-
01h.	-	-	-	-
07h.	-	-	-	-

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.

19th & 20th DECEMBER, 1923.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	8.3	11.50	3.34
	8.4	11.51	3.35
Greenwich	8.4	11.54	3.50
	8.5	11.55	3.51
Wick	9.2	12.9	3.16
	9.3	12.10	3.14
Valencia	8.48	12.38	4.18
	8.48	12.39	4.19

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, „ less than 200 m.
m mist, „ 1000—10000 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. r rain. s snow.
rs sleet t thunder.
u ugly, threatening sky.
v unusual visibility. w dew.
x hoar frost. y dry air.
z dust haze; the turbid atmosphere of dry weather.
h(r)="hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity.
R = heavy rain. r₀ = slight rain.
rr = continuous rain.

SYMBOLS.

< = { less than (for cloud height). before (for precipitation).
⊕ = solar halo. Ⓤ = lunar halo.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions, thus:—bc/r = fair weather after rain; - = "decreasing"; + = "increasing."

The BEAUFORT SCALE OF WIND is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers, is the speed at about 30 feet above the ground.

SEA DISTURBANCE.
0=no swell }
1=mod. swell } Calm or slight sea.
2=heavy swell }
3=no swell }
4=mod. swell } Moderate sea.
5=heavy swell }
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

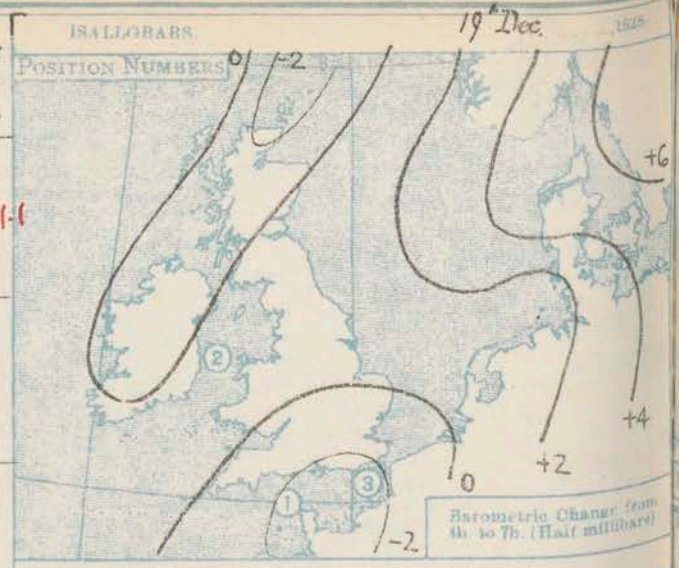
Beaufort No.	Statute miles per hour.
0	Less than 1
1	1-3
2	4-7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

[1] For explanation see Introduction. · Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 2.

bcpbc bcHc 44 34

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 18th	13h.-18h. 18th	18h. 18th	1h.-7h. 19th	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS.	RAINFALL.† Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began	SUN 18th Hours.
Lerwick	orhsq	omrhq	10pbh	bcphs	41	24	·	4	0.3	<0800	<2100	0.1
Stornoway	p	c	p	cprbq	42	33	·	0.5	0.6	-	·	2.6
Wick	cprsq	cphq	cphq	cphq	42	31	·	4	1	<0800	<2100	·
Castlebay	bchbc	bcpbc	bchpbbspo		39	32	·	7	0.4	-	-	1.1
Nairn	ircq	bcpcq	bcspqr	cp	41	31		0.3	0.2	0900	0230	0.4
Aberdeen	bqpr₀	bbq	irp₀	bcps	41	30	25	Trace	1	1100	<2100	3.4
Malin Head	PRco	cop₀	cPH r	CPHR	48	34		0.2	3	<0800	<2100	0.2
Renfrew	obPR	cprqb	bxbc	bcbx	44	30	21	2	-	<0800	-	3.4
Edinburgh (Inchkeith)	b-bc	b	cb	prs	43	34	·	-	Trace	-	0230	5.5
Leuchars	bbcq	bqbq	bqb	b	43	31	24	-	-	-	-	5.2
Eskdalemuir	copc	cocbcb	qbx	bxbcx	40	26	21	0.2	-	0900	·	2.8
Tynemouth	q	bq	bbc	bc	43	33	32	-	-	-	·	·
Blacksod Point	c	c	oo	c	51	39	·	0.2	0.3	-	·	·
Donaghadee	bcqb	bc	cpq	bcpq	44	36	·	Trace	1	0900	<2100	·
Birr Castle	co	co	cb	bc	46	38	35	-	-	-	-	2.4
Holyhead	opr₀c	c	obcco	oc	44	43	41	Trace	-	-	·	0.9
Liverpool (Bidston)	op₀cq	Coq	or		46	38	34	Trace	2	<0800	0430	2.4
Chester (Shotwick)	bcf₀aqq	orqmcb	bcbq	bcopq	48	34	33	Trace	1	0900	0530	2.1
Spurn Head	coq	c	c	bbc	44	35		-	-	-	-	3.6
Birmingham (Edgbaston)	co	bccoc	bcrp	bbc.	46	35	33	-	2	-	0430	1.6
Nottingham	p₀	c	b	fm	44	38	31	Trace	-	1100	-	0.4
Cranwell	cpcc	c	bco	ocbc	46	34	28	Trace	-	1430	-	2.4
Gorleston	bbcc	bcbq	bqbcc	cbcx	46	34	29	-	-	-	-	3.6
Valencia (Cahirciveen)	bcq₀c	cbc	bbco	bbc	49	44	36	Trace	·	-	-	0.0
Roches Point	oco	oo	ocbc	bcco	52	43	·	-	-	-	-	·
Pembroke (St. Ann's H.)	c	c	c	bbc	49	44		-	-	-	-	2.2
Ross-on-Wye	cqv	cbcvcc	brbcc	bcb	49	39	31	-	-	-	-	3.8
Leafield	co	qbc	bc	bcbcb	48	34	31	-	-	-	-	1.2
Andover	bcbc	co	oq	ocpcb	49	33	28	-	-	-	-	2.4
S. Farnborough	oc	c	cbc	.bc	49	35	29	-	-	-	-	3.1
London (Kew Obsy.)	bo	bcocmom	omcbpom	omom	49	39	32	-	-	-	-	1.4
Croydon	obcm	o3p₀	obq	bcc	49	38	34	Trace	-	1730	-	2.8
Clacton-on-Sea	cbcc	cbc	bcb	bbc	48	34	33	-	-	-	-	2.4
Shoeburyness	bcmbc	bccocbcb	bbcc	cbcb	49	37	32	-	-	-	-	2.0
Grain	ombcc	ocbcb	b	bbcb	50	36	29	-	-	-	-	1.3
Lympne	com	om	cm U	cm	48	35	28	-	-	-	-	1.4
Scilly (St. Mary's)	omq₀	oitd	oo	oq	51	45	·	1	-	<0800	-	0.0
Falmouth (Pendennis)	comq	co	cbcco	co	51	44	·	Trace	-	<0800	-	1.3
Plymouth (Cattewater)	ocop	obb	bcc	cbcp	53	43	40	Trace	trace	1100	0530	2.0
Portland Bill	c	c	c	bbc	52	44	·	-	-	-	-	
Southampton (Calshot)	bc	c	c	cbcb	51	39	35	-	-	-	-	4.9
Dungeness	bbc	c	c	bbc	54	35		-	-	-	-	
Guernsey	oq	ocq	cbcc	cbcb	51	42	·	Trace	-	0900	-	·



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility
2	18th 1010	SCOTIA	NW	6	bc	46	49	8
1	" 1300	IBEX	NNW	4	co	50	50	4

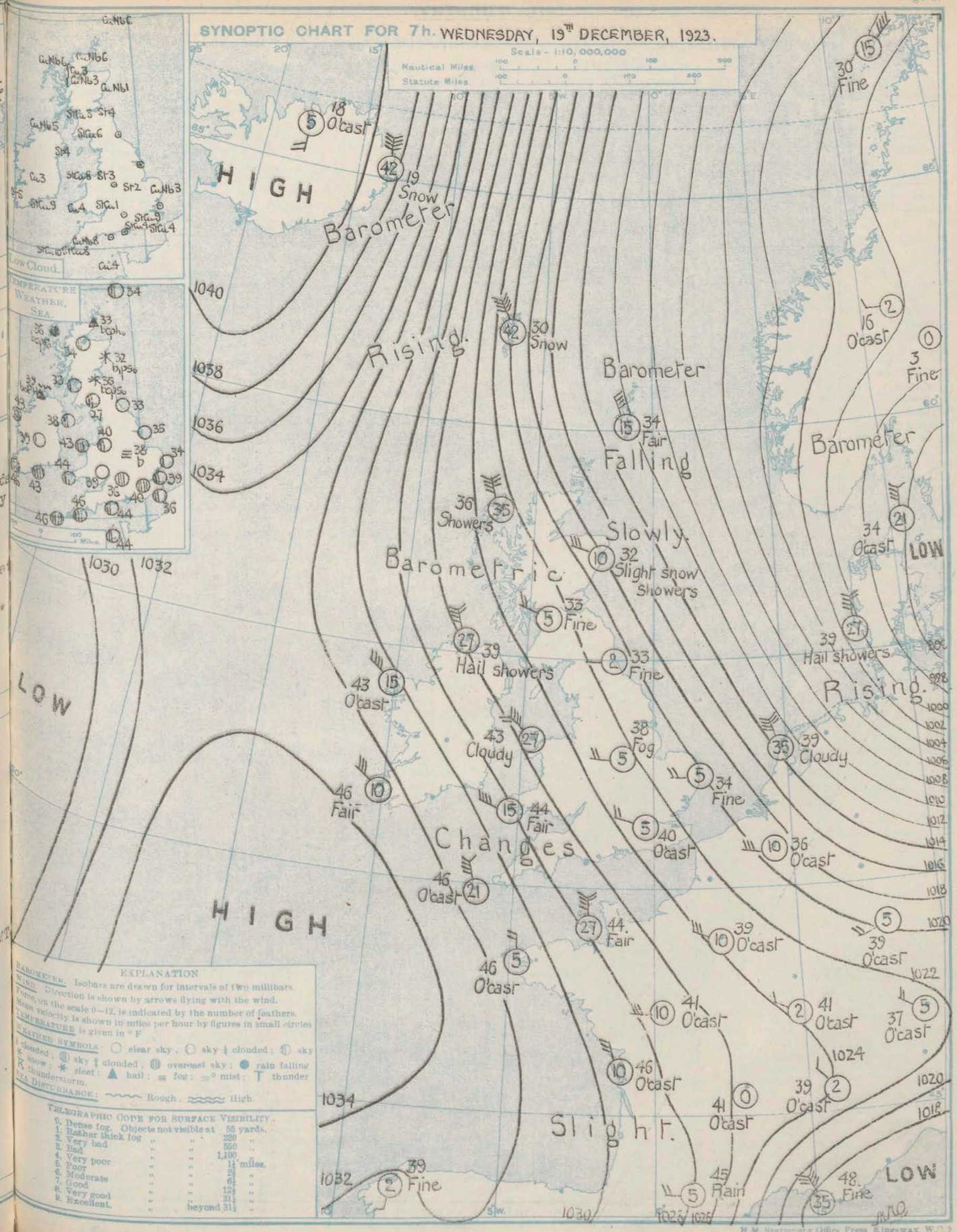
GENERAL INFERENCE.

The anticyclone which extends from Iceland to the Bay of Biscay is likely to cause northwesterly to northerly winds and cold weather over the British Isles for the next day or two with sleet or snow showers in the North but mainly fine weather in the South. The wind is likely to reach gale force in Scotland and on the northeast coast of England.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Wednesday, 19th December, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales	Moderate to fresh northwesterly winds; mainly fine and bright but occasional slight showers locally; visibility mainly good; cold, slight frost locally at night.	Continuing cold with northerly winds. --- North Cone hoisted 0915 GMT 19/12/23.
7. North Wales 8. N.W. England 9. N. Midlands	Wind N.W. to N., strong at times; occasional rain or sleet showers; bright intervals; visibility mainly good; cold, slight frost locally at night.	
10. N.E. England 11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N.& N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Wind N.W. to N., strong to a gale at times; sleet or snow showers, bright intervals; visibility mainly good; cold.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	As 1 - 6.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0952 GMT. G. C. SIMPSON, F.R.S., Director.

† For Code see opposite page.



H.M. Stationery Office Press Kingsway, W.C.2.

1025.9 +2 N 3 c/s(N) 35 85 8 2500 St.Cu 7-7 3

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION WEDNESDAY, 19th DECEMBER 1923. No. 353

Observations at 0100 G.M.T. 19th

STATIONS.	Height above M.S.L. in feet	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10
Lerwick	54	1013.4	+2	NNW	6	ojp	33	92	6	4000	Cu Nb	10	-	10
Stornoway	51	1023.2	+1	NNW	4	PRS	•	•	5	•	•	•	•	•
Wick	81	1018.2	+3	NW	4	cph	33	94	8	2500	Cu Nb	4	-	4
Castlebay	37	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	46	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	71	1025.4	+3	NNW	4	cph	41	94	8	4000	Cu Nb	5	C Cu	4
Renfrew	38	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	190	1021.0	+2	WNW	3	b	36	85	8	•	-	0	A Cu	1
Leuchars	36	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	794	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	118	1026.2	+1	W	2	bc+	32	85	4	-	-	0	A Cu	6
Blacksod Point	10	1031.8	0	NW	4	o	44	85	4	•	•	•	•	10
Donaghadee	35	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	175	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	26	1026.3	-1	NNW	6	o	44	85	8	2500	St Cu	10	-	10
Liverpool (Bidston)	189	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick)	16	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	26	1020.5	+3	W	5	o	38	92	4	4000	St Cu	10	-	10
Birmingham (Edgbaston)	525	•	•	•	•	•	•	•	•	•	•	•	•	•
Nottingham	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	237	1021.4	+1	WNW	3	o	34	92	6	2500	St Cu	9	-	9
Gorleston	43	1020.6	+1	WNW	3	o+	34	89	6	3500	St Cu	9	-	9
Valencia (Cahirciveen)	30	1033.6	-1	W	1	b	48	92	4	-	-	0	-	0
Roches Point	32	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	149	1029.4	0	NW	4	bc	44	93	8	4000	Cu	5	-	5
Ross-on-Wye	223	•	•	•	•	•	•	•	•	•	•	•	•	•
Leafield	550	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	295	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough	230	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.)	18	•	•	•	•	•	40	•	•	•	•	•	•	•
Croydon	244	1024.5	-1	WNW	3	b	39	85	4	-	-	0	A Cu	2
Clacton-on-Sea	54	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	11	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	20	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	350	1022.4	0	NW	4	c	36	85	6	2500	St Cu	1	Ci St	4
Scilly (St. Mary's)	131	1031.2	0	NW	4	o	44	93	8	4000	St Cu	10	-	10
Falmouth (Pendennis)	200	1030.5	+1	N	3	c-	46	85	8	5000	St Cu	8	-	8
Plymouth (Cattewater)	82	-	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	19	1027.4	0	NW	4	o+	46	85	4	4000	St Cu	10	•	10
Southampton (Calshot)	12	1026.9	0	W	3	c	40	85	8	-	-	0	A Cu	4
Dungeness	21	1024.4	0	W	3	bc	34	92	8	-	-	0	Ci Cu	4
Guernsey														

Observations at 0700 G.M.T. 19th

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea 0-9
Lerwick	1012.1	-2	NNW	4	bejp	34	92	4	4000	Cu Nb	6	-	6	3
Stornoway	1023.4	+1	NNW	4	bcpr	36	94	4	4000	Cu Nb	6	-	6	5
Wick	1016.5	-3	NW	5	bcph	33	94	8	2500	Cu Nb	6	-	6	3
Castlebay	1030.2	0	NNW	4	o/S(N)	37	75	8	1500	Nb	10	-	10	4
Nairn	1020.8	-	NNW	5	bc+	34	85	8	1500	Cu	6	-	6	•
Aberdeen	1019.8	0	NNW	3	bps	32	85	4	2500	Cu Nb	1	•	1	0
Malin Head	1023.2	-1	NNW	6	bcPH	39	92	8	4000	Cu Nb	5	-	5	4
Renfrew	1023.4	+2	WNW	2	b	33	85	8	4000	St Cu	3	-	3	•
Edinburgh (Inchkeith)	1021.6	+1	W	2	bcps	35	85	8	•	St	4	•	4	0
Leuchars	1021.6	+2	NW	3	b	32	65	8	4000	St Cu	1	•	1	•
Eskdalemuir	1023.3	+1	W'N	2	bc	34	85	4	2200	St Cu	6	•	6	•
Tynemouth	1021.3	+1	W	1	b	33	85	4	-	-	0	-	0	1
Blacksod Point	1031.4	0	NW	4	o	43	93	4	•	•	•	•	9	5
Donaghadee	1025.2	0	W	3	bc-	38	92	8	800	St	4	-	4	3
Birr Castle	1030.2	•	W	3	b	39	92	5	4000	Cu	3	-	3	•
Holyhead	1022.4	0	NW	6	c	43	85	8	2500	St Cu	8	•	8	5
Liverpool (Bidston)	1023.6	0	WNW	4	bcpr	40	85	4	4000	St	3	A St	6	5
Chester (Shotwick)	1024.0	0	WNW	6	cpr	39	85	8	1500	Nb	8	-	8	•
Spurn Head	1020.0	+1	WNW	5	b	35	94	4	-	-	0	-	0	5
Birmingham (Edgbaston)	1024.2	0	WNW	4	o/r	34	94	5	1500	Nb	9	-	9	•
Nottingham	1022.3	0	W	2	ffb	38	85	3	-	•	0	-	0	•
Cranwell	1022.1	0	WNW	3	q	34	94	6	4000	St	2	-	2	•
Gorleston	1020.6	0	W'N	2	b+	34	85	6	4000	St Cu	3	•	3	•
Valencia (Cahirciveen)	1033.2	0	NW	3	bc+	46	85	4	1500	St	5	-	5	3
Roches Point	1031.5	0	NW	2	o	43	92	8	1500	St Cu	9	-	9	0
Pembroke (St. Ann's H.)	1028.8	0	WNW	4	bc	44	93	8	4000	Cu	4	-	4	3
Ross-on-Wye	1024.8	-1	NNW	3	b	39	85	8	4000	St Cu	1	-	1	•
Leafield	1024.0	-2	W	3	c+	36	85	8	-	-	0	A St	4	•
Andover	1024.3	-1	W'N	3	b+	34	94	4	2500	St Cu	1	-	1	•
S. Farnborough	1023.8	-1	WNW	3	bc-	35	85	4	2500	St Cu	4	-	4	•
London (Kew Obsy.)	1023.5	-1	WNW	2	o	40	85	6	2500	St Cu	9	-	9	•
Croydon	1023.1	-2	WNW	2	o+	39	85	4	4000	St Cu	9	-	9	•
Clacton-on-Sea	1021.6	0	WNW	3	bc	39	85	4	-	-	0	A St	5	0
Shoeburyness	1020.9	-1	NW	4	o	39	93	4	4000	St Cu	2	A Cu	3	*
Grain	1022.2	0	WNW	5	c+	39	85	4	4200	St Cu	8	-	8	0
Lympne	1021.9	-1	WNW	4	c+	36	85	6	2500	St	8	-	8	*
Scilly (St. Mary's)	1031.1	0	NNW	5	o	46	93	8	4000	St Cu	10	-	10	4
Falmouth (Pendennis)	1029.4	-1	NW	3	c	46	85	8	5000	St Cu	8	-	8	0
Plymouth (Cattewater)	1028.2	-1	NW	4	cpr	45	85	8	2500	Cu Nb	8	•	8	0
Portland Bill	1025.6	-4	NW	4	bc-	44	93	4	-	-	0	A Cu	4	3
Southampton (Calshot)	1024.0	-2	W	4	b	39	92	8	-	-	0	•	0	0
Dungeness	1022.6	-2	NW	3	bc+	36	92	8	5000	St Cu	4	Ci Cu	6	3
Guernsey	1028.0	0	N'W	6	bc+	44	85	8	4000	Cu	4	-	4	3

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 18th

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 17-18 °F	Temperature. Max. Day. 18 °F.	Rainfall.† Night 17h.-9h. 17-18 mm.	Rainfall.† Day 9h.-17h. 18 mm.	Sunshine.	Sunshine. Sunrise to Sunset. 18 hr.
Montrose	bacq	bq	33	44	0.1	-		5.3
Berwick-on-Tweed	pdbcc	bb-pbv	40	45	0.1	-		5.3
Llandudno	ecb	c	44	47	0.1	-		2.0
Colwyn Bay	bc	c	44	46	-	-		2.1
Rhyl	cbc	bcc	43	47	-	-		2.4
Southport	cbcc	b	44	~~46~~ 45	-	0.1		2.7
Blackpool	cbc	bc	44	45	-	0.4		1.9
Ilkley	pbc	bbc	41	44	1	-		2.4
Harrogate	ebc	bcb	40	49	0.7	-		3.9
Skegness	bc	bcb	44	46	-	-		1.9
Aberystwyth	rcc	o	43	48	0.5	-		1.0
Bath	cbcb	co	47	49	-	-		2.2
Leamington Spa	cb	cb	43	46	-	-		1.3
Lowestoft	ocbco	ococb	41	46	-	-		2.2
Felixstowe	be	c	43	48	-	-		3.0
Southend	cbc	bcco	40	50	0.1	-		2.0
Ilfracombe	ocbc	bcco	47	49	0.3	-		3.4
Bude	—	—	47	51	0.3	0.1		0.8
Torquay	co	bc	47	54	0.1	-		1.2
Weymouth	cbc	bc	45	51	-	-		3.5
Bournemouth	b	b	44	51	-	-		3.9
Portsmouth (S'thsea)	bbc	bc	45	51	-	-		4.6
Littlehampton	bc	bc	44	51	-	-		5.5
Worthing	cbc	bc	45	52	-	-		3.8
Brighton	b	ccocu	46	51	-	-		3.6
Eastbourne	c	bc	46	52	-	-		4.6
Hastings	oecbc	bcc	44	51	0.1	-		3.9
Folkestone	bc	—	39	49	0.8	-		1.0
Dover	wmoco	gocm	45	49	-	-		0.5
Tunbridge Wells	b	bbc	42	50	-	-		5.3
Ramsgate	bc	bc	44	48	-	-		1.3
Margate	bcc	bcc	43	48	-	-		2.5
Deal	oc	cc	44	48	-	-		0.0

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* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. § For code see page 3. ‡ See footnote page 1

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B22643 THURSDAY, 20th DECEMBER.....1923.

Observations at 1300 G.M.T. 19th

STATIONS. (For heights see p.4).	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Cloud Upper Form.	Cloud Total Amt. 0-10	State of ground.
Lerwick	1012.9	+2	NW	2	bcjp	37	85	7	4000	CuNb	6	–	6	•
Stornoway	1026.1	+3	N	5	bcpho	36	97	7	4000	CuNb	6	–	6	•
Wick	1017.5	-1	NW	4	bc	36	85	8	1500	CuNb	6	–	6	•
Castlebay	1029.8	+3	N	5	bcs(h)	38	75	8	2500	CuNb	6	–	6	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	1019.1	-1	WNW	6	cs₀	34	85	7	2500	CuNb	8	–	8	7
Malin Head	1029.8	+3	N	6	bcrs	39	92	8	4000	CuNb	4	Ci	5	•
Renfrew	1025.0	+2	NW	4	b	37	65	8	5100	Cu	1	–	1	6
Edinburgh (Inchkeith)	1032.7	-1	NW	5	b-	36	85	8	•	Cu	1	–	1	•
Leuchars	1021.7	0	NW	4	b	35	75	8	–	–	0	–	0	6
Eskdalemuir	1023.3	0	NW	6	b	33	65	7	2500	Cu	3	–	3	3
Tynemouth	1020.7	-1	NW	2	b-	36	65	7	4000	Cu	2	–	2	•
Blacksod Point	1034.7	+4	NWN	6	c	43	75	8	•	•	•	•	8	•
Donaghadee	1027.3	+3	N	4	crs	40	92	8	450	St	8	–	8	•
Birr Castle	1031.9	*	W	2	c+	42	85	7	4000	Cu	7	–	7	•
Holyhead	1025.5	-2	NWN	8	c/r	42	85	8	2500	Cu	7	–	7	1Q
Liverpool (Bidston)	1023.4	-2	NWW	5	cs₀	36	85	8	1500	CuNb	8	–	8	•
Chester (Shotwick)	1023.5	-2	WNW	6	ojp	41	85	8	1500	St	9	–	9	1
Spurn Head	1019.8	-2	NW	6	c	37	75	7	4000	StCu	4	ACu	7	•
Birmingham (Edgbaston)	1023.5	+1	WNW	4	o+	37	85	6	2500	CuNb	10	–	10	2
Nottingham	1022.2	-2	NNW	2	ffo	39	75	3	800	St	10	–	10	•
Cranwell	1022.6	-1	NW	4	o	37	75	6	2500	StCu	6	aSt	9	1
Gorleston	1019.8	-0	NW	4	b	39	75	6	4000	CuNb	3	–	3	•
Valencia (Cahirciveen)	1035.4	+1	NNW	5	c-	46	75	8	2500	StCu	7	–	7	1
Roches Point	1033.0	+1	NNW	3	o	44	75	8	1500	StCu	9	–	9	•
Pembroke (St. Ann's H.)	1028.6	0	NW	5	c	43	75	8	2500	Cu	7	–	7	•
Ross-on-Wye	1024.0	-2	NW	4	bc	42	75	8	4000	Cu	4	–	4	0
Leafield	1022.8	-2	NNW	5	b-	38	85	8	4000	Cu	3	–	3	*
Andover	1023.8	-1	NW	4	c+	41	75	8	2500	StCu	8	–	8	1
S. Farnborough	1023.3	-1	NW	4	c	42	75	8	2500	Cu	8	–	8	1
London (Kew Obsy.)	1022.3	-4	NW	2	o	41	75	6	4000	StCu	10	–	10	1
Croydon	1022.6	-2	NWN	3	o+	40	85	6	1500	StCu	10	–	10	1
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	1021.6	-1	NNW	4	c+	40	75	7	4000	Cu	5	ACu	8	•
Grain	1022.1	-1	NW	5	o+	40	75	7	2500	St	10	–	10	1
Lympne	1021.2	-2	NW	4	o	39	75	6	1500	StCu	9	–	9	2
Scilly (St. Mary's)	1031.1	0	NW	6	c	47	85	8	4000	StCu	8	–	8	•
Falmouth (Pendennis)	1029.3	-2	NW	5	bcjp	46	65	8	4000	CuNb	5	–	5	•
Plymouth (Cattewater)	1027.9	-2	NNW	5	cpr	45	85	8	1500	CuNb	8	–	8	0
Portland Bill	1024.6	-2	NW	5	bc	46	65	7	4000	Cu	4	–	4	•
Southampton (Calshot)	1024.1	-2	NWN	4	bc	43	75	7	2500	Cu	5	–	5	0
Dungeness	1022.0	-1	NW	3	c	40	75	7	4000	Cu	5	ACu	7	•
Guernsey	1026.9	-3	NW	5	bc	45	85	8	4000	CuNb	6	–	6	•

Observations at 1800 G.M.T. 19th

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Cloud Upper Form.	Cloud Total Amt. 0-10	Sea. 0-9
Lerwick	1020.2	+7	N	6	ojp	39	85	6	4000	Nb	3	ASt	10	5
Stornoway	1029.4	+3	N	6	bcph	37	85	7	4000	CuNb	6	-	6	5
Wick	1020.7	+7	N	4	bcph	37	85	8	1500	CuNb	6	-	6	3
Castlebay	1032.1	+2	NNE	6	c/s(h)	38	85	8	2500	StCu	7	-	7	7
Nairn	1023.7	•	NNW	4	bc/s(h)	36	85	8	4000	Cu	6	•	6	•
Aberdeen	1019.3	+2	NW	4	ors₀	35	92	7	2500	CuNb	10	•	10	3
Malin Head	1032.6	+3	N	7	bcPH	39	75	8	4000	CuNb	4	CiCu	5	7
Renfrew	1025.6	0	NW	5	b	34	65	8	-	-	0	-	0	•
Edinburgh (Inchkeith)	1021.8	-1	NW	5	b	34	55	8	•	-	0	ACu	1	3
Leuchars	1021.3	0	NW	6	b	34	75	8	-	-	0	•	0	•
Eskdalemuir	1024.1	0	NW	6	b	29	65	7	-	-	0	-	0	•
Tynemouth	1021.1	0	NW	2	b-	33	85	7	-	-	0	-	0	2
Blacksod Point	1037.1	+2	NNW	5	o	41	75	7	•	•	•	•	10	5
Donaghadee	1029.8	+2	N	5	bc-	40	75	8	2500	Cu	6	•	6	5
Birr Castle	1034.7	•	N	3	c+	36	92	6	4000	Cu	8	•	8	•
Holyhead	1028.4	+3	NW	8	o/r	40	85	8	2500	Cu	10	-	10	7
Liverpool (Bidston)	1025.3	+3	NW	5	bc/s(h)	38	65	7	4000	St	3	ASt	6	6
Chester (Shotwick)	1025.3	+4	NW	6	bc+	37	65	8	2500	StCu	4	ACu	6	•
Spurn Head	1018.9	-1	NW	6	b	34	85	7	-	-	0	-	0	5
Birmingham (Edgbaston)	1024.7	+3	NNW	5	b	34	65	6	-	-	0	•	0	•
Nottingham	1022.7	+2	N	3	b	35	75	6	-	-	0	•	0	•
Cranwell	1021.4	+2	NNW	4	b-	32	75	6	-	-	0	•	0	•
Gorleston	1018.9	-1	N	4	bcs	32	97	6	4000	CuNb	5	-	5	1
Valencia (Cahirciveen)	1037.0	+3	NNW	5	bc+	43	65	8	2500	StCu	3	CiCu	5	3
Roches Point	1035.4	+4	N	3	bc	41	75	8	-		0	CiSt	4	0
Pembroke (St. Ann's H.)	1029.3	+1	N	4	bcpr₀	38	85	8	2500	Cu	6	-	6	3
Ross-on-Wye	1023.3	+2	NNW	3	b-	35	75	9	-	-	0	-	0	•
Leafield	1023.8	+2	NW	4	b/s(h)	32	75	6	4000	Cu	3	-	3	•
Andover	1023.7	+1	NNW	5	b-	35	85	8	-	-	0	•	0	•
S. Farnborough	1022.7	0	NW	3	c	34	92	7	2500	Cu	8	-	8	•
London (Kew Obsy.)	1022.3	+1	NW	3	bc/h(h)	35	85	6	1500	StCu	6	-	6	•
Croydon	1022.4	+1	NNW	2	o/s(h)	33	97	5	800	Nb	10	-	10	•
Clacton-on-Sea	1019.7	-1	NNW	3	b	34	75	6	2500	Cu	3	-	3	0
Shoeburyness	1020.7	-1	NNW	3	b-	34	75	8	-	-	0	-	0	•
Grain	1021.3	0	NNW	4	b-	33	92	6	4000	StCu	3	-	3	0
Lympne	1020.3	0	NW	4	o	34	75	6	-	-	0	CiSt	10	•
Scilly (St. Mary's)	1030.5	-1	NW	7	cpr₀	45	75	8	4000	StCu	8	-	8	6
Falmouth (Pendennis)	1030.4	+2	N	5	c/r	45	55	8	5100	StCu	8	-	8	0
Plymouth (Cattewater)	1027.7	+1	NNW	5	bpr₀	41	85	8	1500	St	3	-	3	1
Portland Bill	1023.3	-2	NNW	5	bc	41	65	7	4000	Cu	4	-	4	3
Southampton (Calshot)	1023.2	0	NW	6	b-	36	92	8	4000	StCu	3	-	3	3
Dungeness	1020.8	0	N	3	o	34	92	7	-	-	0	CiSt	10	3
Guernsey	1025.5	-1	NNW	8	c-	41	92	7	2500	CuNb	7	-	7	4

LONDON OBSERVATIONS.	Height above M.S.L. in feet.	Weather Morning (24 hours ended 0000 G.M.T. 20th)	Weather Afternoon	Weather Night	Temperature Max. °F.	Temperature Min. °F.	Min. on Grass °F.	Rainfall mm. Day	Rainfall mm. Night	Sunshine to Sunset, hrs. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)	Visibility 9h.
Kew } 24 hours ended 0700	18	bcmoz	ozosmbt	bcmb	•	•	25	2	Tr	1.4	•	•	7
Croydon } 24 hours ended 0700	244	omc	obcomss	obsox	•	•	26	1	0.2	0.3	•	•	5
Greenwich (Royal Obsy.)	149	co	osrs	obosc	40	32	26	1	1	0.0	73	86	4
City (Bunhill Row)	80	•	•	•	•	•	•	•	•	0.0	•	•	•
Westminster (St. James' Pk.)	27	•	•	•	42	32	23	–	–	0.5	70	79	•
Regent's Pk. (Botanic Gdns).	168	•	•	•	•	•	•	•	•	1.2	•	•	•
Camden Square	110	cbcc	cosc	•	41	31	27	1	–	•	•	86	•
Kensington Palace	80	co	os	•	41	31	24	1	.04	•	At 18h 89.	80	•
Hampstead Observatory	450	•	•	•	40	23	12	2	.03	1.9	•	89	•

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 HR. ended 1600 G.M.T. 19th

South Kensington Max.	Time.	Min.	Time.
0.6	19h. 18th	0.3	1h. 19th
0.6	9h. 19th		

Kew Observatory Max.	Time.	Min.	Time.
–	–	–	–
–	–		

POLE STAR RECORD at Greenwich Obsy.

Exposure from 19th 14 h. 0 m. to 20th 6 h. 45 m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	13 45	10.30	76
δ Ursae Minoris	13 45	10.08	74

CODE FOR STATE OF GROUND.
0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew or wet grass but not wet ground).
6=Seating to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain, or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.[1]

Time.	Type.	No. per 4 sec.	Stren.	Direc.
13h.	C	6	-	120°
18h.	C,C₂	6	-	125°
01h.	C,C₂	6	-	55°
07h.	C,C₂	5	-	35°

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM. 20th & 21st December, 1923.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	8.4 8.4	11.51 11.51	3.38 3.38
Greenwich	8.5 8.5	11.58 11.58	3.51 3.51
Wick	9.3 9.3	12.10 12.10	3.14 3.14
Valencia	8.49 8.49	12.29 12.29	4.29 4.29

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, " less than 200 m.
m mist, " 1000—10000 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. r rain. s snow.
rs sleet t thunder.
u ugly, threatening sky.
v unusual visibility. w dew.
x hoar frost. y dry air.
z dust haze; the turbid atmosphere of dry weather.
h(r)="hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity.
R = heavy rain. r₀ = slight rain.
rr = continuous rain.

SYMBOLS.

< = { less than (for cloud height). before (for precipitation).
⊕ = solar halo. Ⓤ = lunar halo.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions, thus:—bc/r = fair weather after rain; – = "decreasing": + = "increasing."

The BEAUFORT SCALE of WIND is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers, is the speed at about 30 feet above the ground.

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1-3
2	4-7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

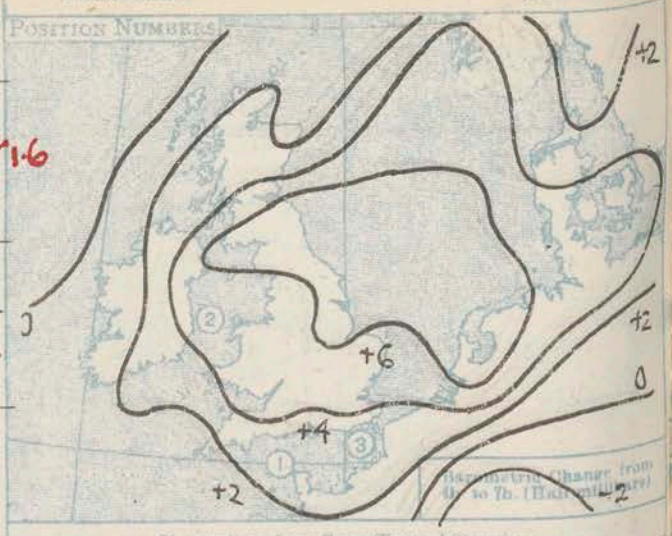
SEA DISTURBANCE.
0=no swell } Calm or slight sea.
1=mod. swell
2=heavy swell
3=no swell } Moderate sea.
4=mod. swell
5=heavy swell
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

[1] For explanation see Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 19	13h.-18h. 19	18h. 19 to 1h. 20	1h.-7h. 20	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS.	RAINFALL.† Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began	SUN. 19 Hours.
Lerwick	bc	ompr3	bcbs	bcbs	41	28	•	1	1	<0800	<2100	2·4
Stornoway	b	p	p	bph	38	28	•	2	3	-	-	1·0
Wick	cphq	cprhq	pbhq	cphoq	37	31	•	1	2	<0800	<2100	•
Castlebay	cshbc	bcshc	bchbl	bshbo	39	32	•	1	-	-	-	1·6
Nairn	cqsp	cqsprs	qprsc	crso	36	30	•	1	2	0900	<2100	0·7
Aberdeen	bcpsq	bcpsq	irshq	cpshq	35	31	28	1	6	<0800	<2100	3·5
Malin Head	cirs	cpnrq	bcirs	bchor	44	36	•	1	0·6	<0800	<2100	1·2
Renfrew	bobx	bbxq	bbx	bbx	37	31	20	-	-	-	-	4·5
Edinburgh (Inchkeith)	bcb	b	c	ob	36	30	•	-	Trace	-	2400	5·2
Leuchars	bb	b-bc	bor.	orbxbs	36	30	23	-	1	-	2400	5·8
Eskdalemuir	cxbcb	b	b	bobsb	34	23	18	-	0·1	-	0230	4·5
Tynemouth	bc	bq	bairq	iR5q	36	33	30	-	5	-	2400	•
Blacksod Point	c	c	p	oo	45	31	•	-	-	-	-	•
Donaghadee	bcph	cps	bcq	bcq	41	39	•	1	-	<0800	-	•
Birr Castle	co	co	co	bcx	42	29	24	-	-	-	-	2·6
Holyhead	cphpr	coprq	cophq	PHC	43	39	34	0·4	1	<0800	<2100	1·4
Liverpool (Bidston)	obchs	hobrh		bq	46	36	32	1	-	12·30	-	2·4
Chester (Shotwick)	orrbcop	prqbc	Hq	bcq	41	36	35	1	-	<0800	-	2·2
Spurn Head	c	coqbc	cobrs	hqso	38	33	•	•	1	-	02·30	2·5
Birmingham (Edgbaston)	obco	ospcb	bb	bbcc	32	31	26	2	-	14·30	-	0·8
Nottingham	bo	ps	b	bc	39	33	31	Trace	Trace	12·30	06·30	0·0
Cranwell	bbco	b-bc	bx	bxbcqsl	38	30	27	-	1	-	05·30	0·9
Gorleston	bcsbq	bcpsh	opsoc	prbcl	39	31	27	0·2	5	<0800	<2100	4·5
Valencia (Cahirciveen)	bcoc	cbc	o	bcb	47	41	37	-	-	-	-	2·2
Roches Point	oco	obc	bcb	bcb	45	37	•	-	-	-	-	•
Pembroke (St. Ann's H.)	c	p	q	b	46	36	•	Trace	2	17·30	05·30	2·1
Ross-on-Wye	bbcvb	bchrscpb	bvx	bqb	42	33	24	2	0·1	14·30	-	5·0
Leafield	bcobc	bc	bcb	bcobc	40	30	14	Trace	-	15·30	-	2·5
Andover	bbcc	cophbc	bbc	bxx	42	32	28	Trace	-	14·30	-	3·8
S. Farnborough	c	pbpw		cbc	43	30	?	1	Trace	13·30	-	1·5
London (Kew Obsy.)	bcmoz	bzosmbcm	bcmb	bpsob	41	32	25	2	Trace	15·30	-	1·4
Croydon	omio	obcomo	opsbx	ocxpb	40	30	26	1	0·2	16·30	<2100	0·3
Clacton-on-Sea	bc	bcbcn	bcb	bbccps	40	32	28	-	0·3	-	03·30	4·2
Shoeburyness	bbcc	cbcp	b	bqbcopo	41	31	28	-	0·3	-	03·30	2·5
Grain	cbo	c	cbx	cbxro	41	30	25	-	0·3	-	03·30	2·4
Lympne	com	ocm	om	obcosmg	41	29	25	-	Trace	-	-	2·4
Scilly (St. Mary's)	ocq	cpq	bcq	bcq	48	40	•	1	-	0900	-	1·7
Falmouth (Pendennis)	cobc	bcpco	copbc	bcpl-	49	38	•	Trace	Trace	0900	2200	3·0
Plymouth (Cattewater)	opq	epbc	bcrs	b	46	35	31	0·4	1	<0800	<2100	3·0
Portland Bill	bn	b-bc	b-bc	b-bc	45	37	•	-	-	-	-	•
Southampton (Calshot)	cbcbc	bcco?	b	b	44	33	30	0·3	-	16·30	-	5·0
Dungeness	c	c	cox	b-bc	41	30	•	-	-	-	-	•
Guernsey	bcbc	bcepq	bcphq	cq	48	38	•	Trace	0·3	13·30	<2100	•

ISALLOBARS — Position Numbers — 20th Dec.



Observations from Cross Channel Steamers.

Position	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility
2	19th 1000	"Scotia"	NW	6	bc	42	48	8
3	20th 0200	-	N'W	8	bc-	40	48	8

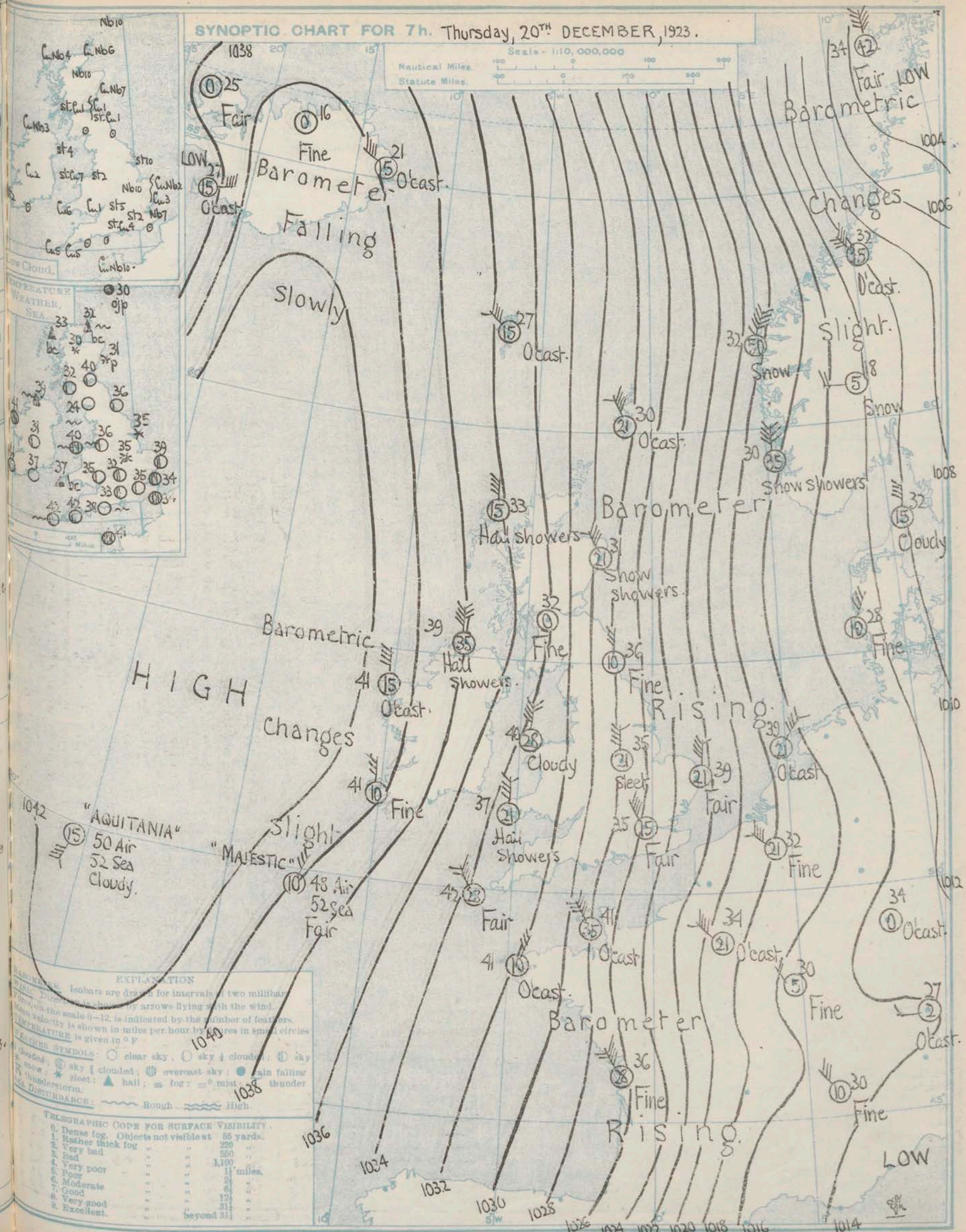
GENERAL INFERENCE.

The ridge of high pressure to the west of Ireland will maintain northerly winds and cold weather generally with sleet or snow showers in most districts but considerable bright intervals.

Districts.	Forecasts for the 24 hours commencing 15 h. G.M.T. Thursday, 20th December, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. E. Scotland	Wind between N. and N.W., strong at times; occasional sleet or snow showers, bright intervals; visibility good; cold, frost at night.	Fine in the South with frost and local fog; further outlook uncertain for the North. -------- North Cone hoisted at 0917, 19/12/23 and at 1920, 19/12/23.
12. S.W. Scotland 13. Isle of Man 14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands 17. N.W. Ireland 18. N.E. Ireland	Wind N. to N.W., backing towards S.W later, strong at first, moderating later; occasional sleet or snow showers, considerable bright intervals; visibility mainly good; cold, frost at night.	
19. S.E. Ireland 20. S.W. Ireland	Moderate to fresh northerly wind, decreasing; fine; visibility mainly good; cold, frost at night.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0915 GMT. G. C. SIMPSON, F.R.S., Director.

† For Code see opposite page.



H.M. Stationery Office Press, Kingsway, W.C.2.

AIR MINISTRY.

1039.2 0 NNW4 o/s(h) 37 75 8 1500 Nb10 - 10 - 4

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. Thursday 20th December 1923. No. 354.

Observations at 0100 G.M.T. 20th

Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb.	Change in 3 Hours‡	Wind Direc.	Wind Force 0-12	Weather	Temp. °F.	Humidity %	Visibility§ 0-9	Cloud Height Feet	Low Form	Low Amt. 0-10	Upper Form	Total Amt. 0-10
Lerwick	54	10278	+6	N	6	bso	30	97	7	4000	CuNb	3	-	3
Stornoway	51	10366	+8	N	5	PS	•	•	5	•	•	•	•	•
Wick	81	10299	+6	N	7	C	35	85	8	1500	CuNb	7	-	7
Castlebay	37	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	46	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	71	10363	+3	N	7	b/sh	41	85	8	4000	CuNb	3	-	3
Renfrew	38	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	190	10289	+7	NNW	5	op0	36	97	8	•	CuNb	1	ASr	10
Leuchars	36	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	794	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	118	10239	+6	NNW	4	oH(r)	36	97	8	800	Nb	10	-	10
Blacksod Point	10	10400	+1	N	5	o	42	75	7	•	•	•	•	10
Donaghadee	35	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	175	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	28	10295	+2	N	7	cPH	~~45~~ 44	75	8	2500	Cu	8	-	8
Liverpool (Bidston)	189	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick)	16	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	26	10194	+1	NW'N	6	oH(R)	36	97	7	4000	Nb	10	-	10
Birmingham (Edgbaston)	525	•	•	•	•	•	•	•	•	•	•	•	•	•
Nottingham	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	237	1022.1	+1	NNW	5	b	32	85	7	-	-	0	ACu	1
Gorleston	13	10170	0	NW	4	o/sh	32	97	6	4000	CuNb	9	-	9
Valencia (Cahirciveen)	30	10407	0	N	2	o+	43	92	7	-	StCu	10	-	10
Roches Point	32	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	149	10319	+1	NNW	1	bc	39	65	9	4000	Cu	4	-	4
Ross-on-Wye	223	•	•	•	•	•	•	•	•	•	•	•	•	•
Leafield	556	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	295	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough	230	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.)	18	•	•	•	•	•	34	•	•	•	•	•	•	•
Croydon	244	10227	0	NW	3	c+	31	85	6	1500	StCu	8	-	8
Clacton-on-Sea	54	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	11	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	20	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	350	10198	-1	N'W	6	o	31	92	6	4000	StCu	4	ASr	10
Scilly (St. Mary's)	131	10328	+1	N'W	7	b	42	65	8	4000	Cu	3	-	3
Falmouth (Pendennis)	200	1031.3	+2	N	5	bc/r	40	65	8	4000	Cu	4	-	4
Plymouth (Cattewater)	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	19	10255	0	NNW	6	b	38	75	7	-	-	0	-	0
Southampton (Calshot)	12	10247	0	NW	6	b	34	75	8	-	-	0	-	0
Dungeness	21	1019.3	-2	NNW	5	c+	31	35	7	-	-	0	ACu	7
Guernsey														

Observations at 0700 G.M.T. 20th

Stations	Barom. at M.S.L. mb.	Change in 3 Hours‡	Wind Direc.	Wind Force 0-12	Weather	Temp. °F.	Humidity %	Visibility§ 0-9	Cloud Height Feet	Low Form	Low Amt. 0-10	Upper Form	Total Amt. 0-10	Sea 0-9
Lerwick	10285	0	NNW	5	ojb	30	97	6	4000	Nb	10	-	10	4
Stornoway	10374	0	N	4	bcPH	33	92	8	4000	CuNb	4	-	4	4
Wick	10319	+3	N	6	bcph	32	85	8	2500	CuNb	6	-	6	6
Castlebay	~~10138~~	~~-2~~	~~ESE~~	~~3~~	~~or(f)~~	~~40~~	~~97~~	~~6~~	~~800~~	~~Nb~~	~~10~~	~~-~~	~~10~~	~~3~~
Nairn	10352	•	NW	2	os	30	85	7	2500	Nb	10	-	10	•
Aberdeen	1031.3	0	NW'N	5	cps0	31	75	7	1500	CuNb	7	-	7	3
Malin Head	1039.1	+2	N	7	bhd(r)	39	75	8	5700	CuNb	3	-	3	7
Renfrew	1036.1	+4	-	0	b	32	?	6	4000	StCu	1	-	1	•
Edinburgh (Inchkeith)	10341	+7	NW	3	b+	30	92	9	•	StCu	2	-	2	2
Leuchars	10335	+5	W	3	b+	31	75	8	4000	StCu	2	-	2	•
Eskdalemuir	10344	+5	N	~~7~~ 3	b	24	75	8	-	-	0	-	0	•
Tynemouth	1029.3	+6	N	3	b/sh	36	75	7	-	-	0	ACu	3	4
Blacksod Point	10409	0	N	4	o	41	75	?	•	•	•	•	10	5
Donaghadee	1035.2	+6	N	6	bc+	39	75	8	450	Sr	4	-	4	6
Birr Castle	10388	•	W	1	b-	31	97	4	4000	Cu	2	-	2	•
Holyhead	10333	+4	N	6	c	40	85	8	2500	StCu	7	-	7	7
Liverpool (Bidston)	10316	+5	NNW	5	b	36	75	8	2500	Sr	2	-	2	6
Chester (Shotwick)	10318	+5	NNW	5	b	36	75	8	4000	StCu	3	-	3	•
Spurn Head	10254	+7	NNW	7	oSS	35	92	6	1500	Sr	10	-	10	5
Birmingham (Edgbaston)	10299	+5	WNW	4	o	34	85	6	1500	StCu	10	-	10	•
Nottingham	10285	+5	N	5	ors0rs	35	92	5	800	Nb	10	-	10	•
Cranwell	10275	+6	N	5	o/sh	33	97	7	1500	Nb	9	-	9	•
Gorleston	10215	+3	N	5	bc+	39	85	7	4000	Cu	5	-	5	1
Valencia (Cahirciveen)	10407	+1	N	3	b	41	65	7	4000	Sr	2	-	2	1
Roches Point	1039.1	+2	NNW	2	b	37	85	8	-	-	0	-	0	0
Pembroke (St. Ann's H.)	10328	+1	N	5	bcph	37	92	8	4000	Cu	6	•	6	3
Ross-on-Wye	10296	+4	N	4	b	35	75	8	4000	Cu	1	-	1	•
Leafield	10288	+5	N	3	bc+	32	97	7	1500	Sr	5	-	5	•
Andover	10273	+5	N	5	b	34	75	8	-	-	0	-	0	•
S. Farnborough	10283	+5	NNW	4	bc	33	85	7	1500	StCu	4	-	4	•
London (Kew Obsy.)	10259	+4	NNW	3	b	35	75	7	1500	Sr	2	-	2	•
Croydon	10259	+5	NW'N	3	c/sh	34	92	6	1500	Nb	6	ASr	8	•
Clacton-on-Sea	10214	+4	NNW	4	c	34	92	7	4000	Nb	7	-	7	1
Shoeburyness	10234	+4	NNW	6	bc/sh	34	85	7	2500	Sr	6	-	6	•
Grain	10238	+5	NNW	5	o+	35	85	7	2500	Sr	1	ASr	10	0
Lympne	10229	+3	N	6	o+	33	92	6	800	Sr	8	ASr	9	•
Scilly (St. Mary's)	10339	+1	N'W	6	bc+	42	75	8	4000	Cu	5	-	5	6
Falmouth (Pendennis)	10323	+1	N	5	bc	42	75	8	4000	Cu	5	-	5	0
Plymouth (Cattewater)	10314	+4	NNW	5	b	38	92	8	-	-	0	-	0	0
Portland Bill	10276	+4	N'E	6	b	38	75	7	-	-	0	-	0	3
Southampton (Calshot)	10272	+3	NNW	6	b	37	85	8	-	-	0	-	0	6
Dungeness	10220	+4	N	5	bc	34	92	7	-	-	0	ACu	4	5
Guernsey	10284	+2	N'E	7	o	41	75	7	2500	CuNb	10	-	10	4

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 19th December

Stations	Weather Fore-noon	Weather After-noon	Temperature Min. Night 18-19 °F.	Temperature Max. Day 19 °F.	Rainfall† Night 17h.-9h. 18-19 mm.	Rainfall† Day 9h.-17h. 19 mm.	Sunshine Sunrise to Sunset 19 hr.
Montrose	b	bq	31	35	-	-	3.1
Berwick-on-Tweed	b	b	32	40	-	-	3.3
Llandudno	chc	hccb	39	42	1	2	0.8
Colwyn Bay	ch	hc	38	41	2	5	1.0
Rhyl	hcr	cbc	35	41	5	2	0.4
Southport	bbcb	bbcbhcb	39	40	3	-	3.1
Blackpool	cbbc	cbbc	39	41	3	0.3	4.0
Ilkley	xbcbb	bb	29	38	-	-	1.3
Harrogate	bcb	b	31	37	-	-	3.3
Skegness	bc	b	32	37	-	-	3.4
Aberystwyth	ooc	b	40	44	-	-	1.0
Bath	ocbcb	bbccr	39	43	-	1	2.1
Leamington Spa	o	osbc	33	39	0.5	0.5	-
Lowestoft	bbcb	cop0s	31	38	-	-	4.8
Felixstowe	bm	b	33	39	-	-	3.8
Southend	bc	co	35	41	-	-	1.8

Stations	Weather Fore-noon	Weather After-noon	Temperature Min. Night 18-19 °F.	Temperature Max. Day 19 °F.	Rainfall† Night 17h.-9h. 18-19 mm.	Rainfall† Day 9h.-17h. 19 mm.	Sunshine Sunrise to Sunset 19 hr.
Ilfracombe	co	o	39	45	-	-	0.6
Bude	acoc	c	47	51	1	-	1.4
Torquay	bcbc	b	40	48	-	0.1	3.7
Weymouth	bcbhc	bcbbc	39	52	-	0.2	4.4
Bournemouth	b	b	38	44	-	-	4.6
Portsmouth (S'thsea)	bb	bccop	39	45	-	1.0	4.4
Littlehampton	bc	bc	35	43	-	-	4.6
Worthing	bbc	roc	36	44	-	-	4.8
Brighton	c	c	38	45	-	-	4.6
Eastbourne	bbc	co	38	43	-	-	2.0
Hastings	bcoc	coms	35	41	-	0.4	-
Folkestone	c	c	36	46	-	-	1.5
Dover	omb	bcom	39	41	-	-	2.5
Tunbridge Wells	co	oos	35	41	-	0.3	0.5
Ramsgate	bc	bcvm	36	43	-	-	3.0
Margate	bcb	bce	39	41	-	-	3.1
Deal	cbc	bcb	38	46	-	-	2.9

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* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. § For code see page 3. ‡ See footnote page 1

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.22674 Friday, 21st December 1923.

Observations at 1300 G.M.T. 20th

STATIONS. (For heights see p.4).	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Upper Form.	Total Amt. 0-10	State of ground.
Lerwick	1027.6	-1	NNW	6	ops₀	31	97	5	4000	Nb	10	-	10	•
Stornoway	1036.0	-1	N	4	c-	36	97	8	4000	CuNb	7	-	7	•
Wick	1031.3	-2	NNW	4	ojp	32	97	8	2500	CuNb	9	-	9	•
Castlebay	1038.2	0	NW	3	bc/s(h)	38	75	8	2500	CuNb	4	-	4	•
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1031.6	-1	NW'N	4	cs₀	33	85	7	1500	CuNb	8	-	8	7
Malin Head	1039.0	-0	NNW	5	oph₀	39	85	8	5700	StCu	9	-	9	•
Renfrew	1036.0	-2	~~WNW~~ WNW	3	bc	35	75	6	4000	StCu	6	-	6	6
Edinburgh (Inchkeith)	1034.2	+0	NW	3	c+	34	97	8	•	Cu	5	ACu	7	•
Leuchars	1033.2	-2	NW	3	bc	35	55	8	4000	StCu	5	-	5	9
Eskdalemuir	1034.8	+1	NW	4	bc	32	65	8	4000	StCu	5	-	5	3
Tynemouth	1032.2	0	N	2	b/s	32	85	7	4000	CuNb	3	-	3	•
Blacksod Point	1042.1	+1	N	4	o	42	65	8	•	•	•	•	10	•
Donaghadee	1037.3	0	N	4	bc-	39	75	8	450	Cu	6	-	6	•
Birr Castle	1040.1	*	W	1	c+	38	85	7	4000	Cu	7	-	7	•
Holyhead	1036.7	+1	N'E	5	bc	39	65	9	4000	Cu	4	-	4	0
Liverpool (Bidston)	1035.3	+2	NNW	4	bc	34	65	8	2500	Cu	4	-	4	•
Chester (Shotwick)	1035.1	+1	NNW	5	b	35	55	8	4000	Cu	3	-	3	0
Spurn Head	1027.8	+2	NW	7	CHR	34	92	7	4000	CuNb	8	-	8	•
Birmingham (Edgbaston)	1033.1	+0	WNW	5	b	32	75	5	-	-	0	-	0	7
Nottingham	1031.6	-1	N	4	b	35	75	7	2500	Cu	1	-	1	•
Cranwell	1030.4	+1	NNW	5	b+	31	85	8	4000	StCu	2	ACu	3	7
Gorleston	1025.0	0	N'W	4	bc-	36	92	6	4000	CuNb	6	-	6	•
Valencia (Cahirciveen)	1042.3	0	NNE	2	c-	43	65	9	4000	StCu	7	-	7	0
Roches Point	1040.9	0	N	2	bc+	40	75	8	4000	StCu	5	-	5	•
Pembroke (St. Ann's H.)	1035.8	+2	N'E	5	cPH	36	92	8	2500	Nb	8	-	8	•
Ross-on-Wye	1032.5	+1	NNW	4	b-	35	55	8	4000	Cu	1	-	1	0
Leafield	1032.0	0	N	3	bc	33	75	6	1500	St	6	-	6	3
Andover	1030.9	+2	N'W	4	b-	36	75	6	2500	Cu	3	-	3	1
S. Farnborough	1030.3	+2	N	4	o	36	75	6	2500	StCu	9	-	9	1
London (Kew Obsy.)	1029.6	+2	NNW	4	o	37	65	6	2500	StCu	9	-	9	7
Croydon	1029.9	+2	N'W	4	o	35	75	6	800	Nb	10	-	10	7
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1027.8	+4	NNW	6	oprs₀	36	85	7	1500	StCu	9	Ast	10	•
Grain	1028.2	+2	NNW	6	c-	36	85	7	1500	StCu	8	-	8	1
Lympne	1026.6	+2	N	6	oss₀	35	92	3	800	Nb	8	Ast	10	2
Scilly (St. Mary's)	1036.0	+1	N'W	6	bc	43	75	8	4000	Cu	5	-	5	•
Falmouth (Pendennis)	1034.6	+3	N	5	bc+	42	75	8	4000	Cu	5	-	5	•
Plymouth (Cattewater)	1033.8	+1	N	4	b	41	85	8	-	-	0	-	0	0
Portland Bill	1031.3	+2	N	6	b+	40	65	7	4000	Cu	2	-	2	•
Southampton (Calshot)	1031.1	+2	N'W	6	bc	38	75	6	2500	StCu	5	-	5	0
Dungeness	1026.3	+5	N	4	bc/r	37	85	7	4000	Cu	6	-	6	•
Guernsey	1031.3	+1	N'E	6	o	40	85	8	4000	StCu	9	-	9	•

Observations at 1800 G.M.T. 20th

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Upper Form.	Total Amt. 0-10	Seq.
Lerwick	1026.9	-2	NW	6	bops₀	29	97	6	4000	CuNb	5	•	5	5
Stornoway	1034.2	-2	N	3	o+	36	75	7	800	St	10	•	10	2
Wick	1029.0	-2	NNW	4	ops₀	33	97	8	2500	CuNb	10	•	10	4
Castlebay	1036.3	-1	NW	4	o/s(h)	[illegible]	85	8	1500	St	10	-	10	4
Nairn	1032.5	•	NW'N	2	c	34	85	8	4000	Cu	4	•	4	•
Aberdeen	1029.7	-2	NW	4	bc/s(h)	33	85	7	1500	CuNb	4	•	4	3
Malin Head	1037.1	-1	NNW	5	o	41	85	8	5700	StCu	9	•	9	4
Renfrew	1033.9	-2	NNW	2	o	34	85	6	4000	StCu	9	•	9	•
Edinburgh (Inchkeith)	1031.9	-2	NNW	4	o+	34	97	8	•	StCu	9	•	9	1
Leuchars	1031.6	-2	NNW	3	o	33	75	8	4000	StCu	9	•	9	•
Eskdalemuir	1033.0	-1	W'S	2	c	29	75	6	4000	StCu	4	ACu	8	•
Tynemouth	1031.1	-1	NNW	2	o	32	92	7	4000	Cu	10	•	10	2
Blacksod Point	1040.7	-1	NW	1	o	40	75	7	•	•	•	•	10	5
Donaghadee	1035.6	0	N	4	bc/s(s)	37	85	8	450	St	9	•	9	5
Birr Castle	1040.1	•	NNW	1	o+	35	92	5	4000	StCu	9	•	9	•
Holyhead	1034.3	0	N	6	ojpv	40	75	9	4000	Cu	10	•	10	5
Liverpool (Bidston)	1034.8	0	NNW	3	bv	34	85	9	-	-	0	ACu	3	5
Chester (Shotwick)	1034.4	0	NNW	5	b-	33	80	7	4000	StCu	3	-	3	•
Spurn Head	1027.9	+1	NW	7	ops	31	97	7	1500	Nb	10	•	10	6
Birmingham (Edgbaston)	1032.9	0	NNW	5	mb-	30	68	5	-	-	0	•	0	•
Nottingham	1031.3	0	N	4	b	32	75	6	-	-	0	•	0	•
Cranwell	1030.6	0	NW'N	5	b	28	85	8	-	-	0	ACu	1	•
Gorleston	1026.4	+1	NW	4	bc/s(h)	33	83	7	4000	Cu	4	•	4	1
Valencia (Cahirciveen)	1041.9	+1	ENE	2	c	38	85	8	4000	StCu	3	CiCu	7	1
Roches Point	1040.7	0	NNW	1	o	37	83	7	5700	StCu	10	•	10	0
Pembroke (St. Ann's H.)	1036.0	0	N'E	5	o	38	75	8	2500	StCu	10	•	10	3
Ross-on-Wye	1033.7	+1	N	2	b	30	55	8	4000	StCu	1	•	1	•
Leafield	1033.3	+2	N	3	b	27	85	8	-	-	0	•	0	•
Andover	1032.7	+2	N'W	4	b-	30	55	6	-	-	0	•	0	•
S. Farnborough	1031.6	+2	N'W	3	b	30	75	6	-	-	0	CiCu	1	
London (Kew Obsy.)	1031.0	+2	NW	3	b-	32	65	6	-	-	0	-	0	•
Croydon	1030.9	+3	NNW	3	c	32	85	5	2500	StCu	7	•	7	•
Clacton-on-Sea	1027.9	+2	NNW	4	c	32	85	6	1500	CuNb	7	•	7	1
Shoeburyness	1028.9	+2	N	5	b-	31	65	7	4000	Cu	2	•	2	•
Grain	1029.7	+3	NN'N	5	b	31	85	8	2500	Cu	1	•	1	0
Lympne	1028.1	+3	N	6	c	31	75	7	4000	StCu	8	•	8	•
Scilly (St. Mary's)	1036.8	+1	N'E	5	c+	41	75	8	4000	CuNb	7	•	7	4
Falmouth (Pendennis)	1036.7	+2	NNE	5	b	38	65	8	4000	Cu	3	•	3	0
Plymouth (Cattewater)	1036.1	+3	N	3	b	36	75	8	-	-	0	•	0	0
Portland Bill	1033.5	+6	N	6	b	34	55	7	-	-	0	•	0	3
Southampton (Calshot)	1032.7	+4	NNW	5	b	33	65	6	-	-	0	•	0	3
Dungeness	1027.2	+1	NNW	5	b-	32	85	7	-	-	0	•	0	4
Guernsey	1032.4	+1	N	6	o	39	75	8	4000	StCu	9	•	9	5

LONDON OBSERVATIONS.

	Height above M.S.L. in feet.	Weather. Morning. (24 hours ended 0900 G.M.T. 21st)	Weather. Afternoon.	Weather. Night.	Temperature. Max. °F.	Temperature. Min. °F.	Min. on Grass. °F.	Rainfall. mm. Day.	Rainfall. mm. Night.	Sunshine to Sunset, hrs. (Yesterday.)	Humidity. 15h. G.M.T. % (Yesterday.)	Humidity. 9h. G.M.T. % (To-day.)	Visibility 9h.
Kew } 24 hours ended 0700	18	obc02	o2bcb2	bzbz	*	*	23	-	-	2.1	*	*	5
Croydon } 24 hours ended 0700	244	om	ob20x	cbmx0	*	*	23	-	-	0.2	*	*	5
Greenwich (Royal Obsy.)	149	o	obcb	bobo	36	28	21	-	-	1.2	68	70	3
City (Bunhill Row)	80	*	*	*	*	*	*	*	*		*	*	*
Westminster (St. James' Pk.)	27	*	*	*	39	29	24	-	-	0.9	68	89	*
Regent's Pk. (Botanic Gdns.)	168	*	*	*	*	*	*	*	*	1.8	*	*	*
Camden Square	110	bc	oc	*	37	28	25	-	-	*	*	71	*
Kensington Palace	80	cb	bo	*	37	28	21	-	-	*	At 18h 75	89	*
Hampstead Observatory	450	*	*	*	34	21	10	-	-	2.2	*	89	*

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 HR. ended 1600 G.M.T. 20th.

South Kensington	Max.	Time.	Min.	Time.
	0.6	19th 1900	0.3	20th 0100
	0.6	20th 0900		

Kew Observatory	Max.	Time.	Min.	Time.

POLE STAR RECORD at Greenwich Obsy.

Exposure from 20th ... 17 h. 00 m. to 21st ... 06 h. 45 m.

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	13.45	09.45	73
δ Ursae Minoris	13.45	09.21	68

CODE FOR STATE OF GROUND.

0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.[1]

Time.	Type.	No. per ¼ sec.	Stren.	Direc.
13h	C	[illegible]	-	150°
18h	C	6	-	175°
01h	C	5	-	15
07h	C	5	-	165

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.

21st. & 22nd. December 1923.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	8.4	11.51	3.33
	8.5	11.52	3.39
Greenwich	8.5	11.58	3.51
	8.6	11.59	3.52
Wick	9.3	12.10	3.17
	9.4	12.11	3.18
Valencia	8.43	12.39	4.29
	8.50	12.40	4.30

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, " less than 200 m.
m mist, " 1000—10000 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. r rain. s snow.
rs sleet t thunder.
u ugly, threatening sky.
v unusual visibility. w dew.
x hoar frost. y dry air.
z dust haze; the turbid atmosphere of dry weather.
h(r)="hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity.
R = heavy rain. r_0 = slight rain. rr = continuous rain.

SYMBOLS.

< = less than (for cloud height), before (for precipitation).
⊕ = solar halo. ☾ = lunar halo. With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions, thus:—bc/r = fair weather after rain; - = "decreasing"; + = "increasing."

The BEAUFORT SCALE of WIND is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers, is the speed at about 30 feet above the ground.

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1- 3
2	4- 7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

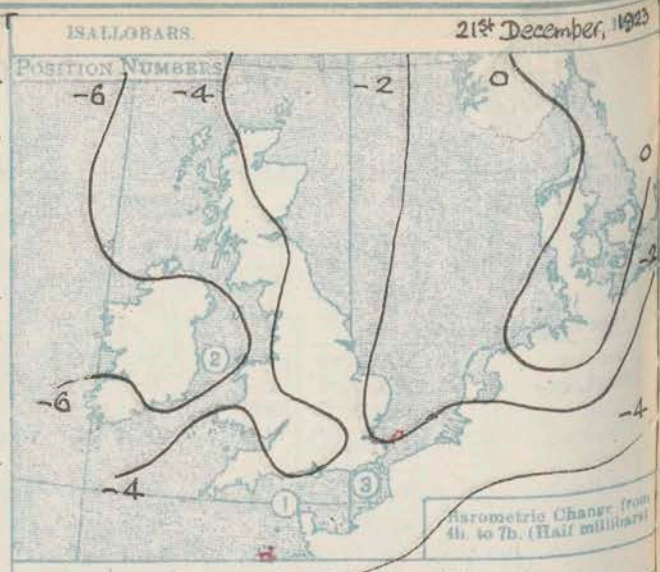
SEA DISTURBANCE.

0=no swell } Calm or slight sea.
1=mod. swell } Calm or slight sea.
2=heavy swell } Calm or slight sea.
3=no swell } Moderate sea.
4=mod. swell } Moderate sea.
5=heavy swell } Moderate sea.
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

[1] For explanation see Introduction.
* Information for these columns not usually received.
‡ The barometric change is expressed in half millibars.
§ For code see page 3

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 20th	13h.-18h. 20th	18h. 20th to 1h. 21st	1h.-7h. 21st	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS.	RAINFALL.† Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began.	SUN. 20th. Hours.
Lerwick	cpsq	bepsq	bcbsq	bcbs	33	28	•	0·4	0·3	0800	<21.00	0·0
Stornoway	p	c	c	oo	36	32	•	1	1	-	–	0·0
Wick	cpsq o	opsq	obs₀	obs₀	34	32	•	1	0·2	0800	<2100	•
Castlebay	osbbc	bchbo	orr	rrr₀r	41	38	•	0·5	4	-	2200	0·7
Nairn	spcq	cq	cq	cq	34	33	•	0·2	0·1	0800	–	0·0
Aberdeen	bcpsq	bcpsh	obs₀c	cbs₀	33	31	27	0·2	0·1	0800	<2100	1·8
Malin Head	cphr₀	cp₀hr	▽ cors₀	r₀sD	42	39	•	0·2	0·3	0800	<2100	0·4
Renfrew	bxcm	bccox	ocx	oxr₀r₀	36	30	24	-	0·4	-	05·30	3·1
Edinburgh (Inchkeith)	c	c	ps₀c	oo	34	34	•	trace	Trace	-	<2100	2·7
Leuchars	bxcxbc	bcco	co	co	36	33	28	•	–	•	–	2·8
Eskdalemuir	bxbccbc	bcc	co	oos₀m	32	27	22	•	Trace	•	05·30	3·7
Tynemouth	bcisq	oq	o	omm	36	32	31	trace	–	09·00	–	•
Blacksod Point	oo	oo	oo	c	46	36	•	-	–	-	–	•
Donaghadee	cvph	cph	c	o	40	36	•	trace	1	1230	<2100	•
Birr Castle	co	co	o	o	38	34	32	-	–	-	–	2·9
Holyhead	cs₀hbcv	cphov	ophov	oo	41	39	38	trace	Trace	0800	<2100	2·3
Liverpool (Bidston)	b-bc	co	r-d	d	39	35	29	-	1	-	05·30	4·3
Chester (Shotwick)	bcbmb	bcoc	bbco	oorsrs m	37	32	31	-	1	-	05·30	4·2
Spurn Head	shqh	QPs	c	bcc	37	31	•	2	Trace	0300	–	1·6
Birmingham (Edgbaston)	bcbm	bbmm	bc	bcos₀	34	27	20	-	0·1	-	05·30	0·0
Nottingham	cps₀	b-bc	bc	c	38	30	26	trace	-	0800	–	2·7
Cranwell	ccbcb	c	cb	bccoc	33	27	23	trace	–	0800	–	3·8
Gorleston	phsqc	cqpsx	oqs	oqpcsh	40	31	30	3	1	11·00	<2100	1·8
Valencia (Cahirciveen)	bbcc	c	o	bcco	44	36	31	-	–	-	–	0·8
Roches Point	bbc	co	bxo	obc	41	35	•	-	0·1	-	–	•
Pembroke (St. Ann's H.)	oqphr	cqo	c	oo	46	37	•	1	–	0800	–	0·7
Ross-on-Wye	cbbcby	bybcby	bcybyco	oqor₀	37	28	18	-	0·4	-	d.30	4·6
Leafield	bcfb	bcx	bcc	cbs₀s	42 35	25	25	-	0·2	-	d.30	1·0
Andover	bccbm	bm	bmcm	omos₀sm	37	23	16	-	0·1	-	05·30	3·4
S. Farnborough	bcombc	ocbcm	b	bo	37	23	15	-	–	-	–	1·1
London (Kew Obsy.)	obcoz	ozbbcbz	bzbz	bzom	37	29	23	-	–	-	–	2·1
Croydon	om	obzox	cbmxo	ozx	36	27	23	-	–	-	–	0·2
Clacton-on-Sea	cps	c	cbc	bcb	35	28	25	3	–	09·00	–	0·8
Shoeburyness	bccoprsq	oprscbc	bx	bx	36	27	24	0·4	–	0800	–	1·0
Grain	oirs₀	bcb	bb	bbx	37	27	22	0·1	–	09·00	–	0·1
Lympne	os₀c	ofbs	cbm	bbcm	36	26	22	0·5	–	11·00	–	0·8
Scilly (St. Mary's)	bcq	bcq	cq	cq	45	37	•	-	1	–	<2100	3·5
Falmouth (Pendennis)	pcph	bcph	bcc	cobco	44	37	•	1	1	0800	03.30	3·7
Plymouth (Cattewater)	b	b	bo	oo	42	34	25	-	–	-	–	6·0
Portland Bill	b-bc	b-bc	c	c	41	32	•	-	–	-	–	•
Southampton (Calshot)	c	bcbm	bmbc	c	39	28	24	-	–	-	–	5·2
Dungeness	p	b-bc	b-bc	bcx	37	25	•	trace	–	09·00	–	•
Guernsey	c	c	cbcb	bcco	40	34	•	-	Trace	-	–	•



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility.
2	20th 1000	"Scoria"	N	7	bcq	41	48	8
1	20th 1300	"Ibex"	NNE	7	o-	38	49	7
3	21st 0200	"Arundel"	NNW	5	bc	35	48	7

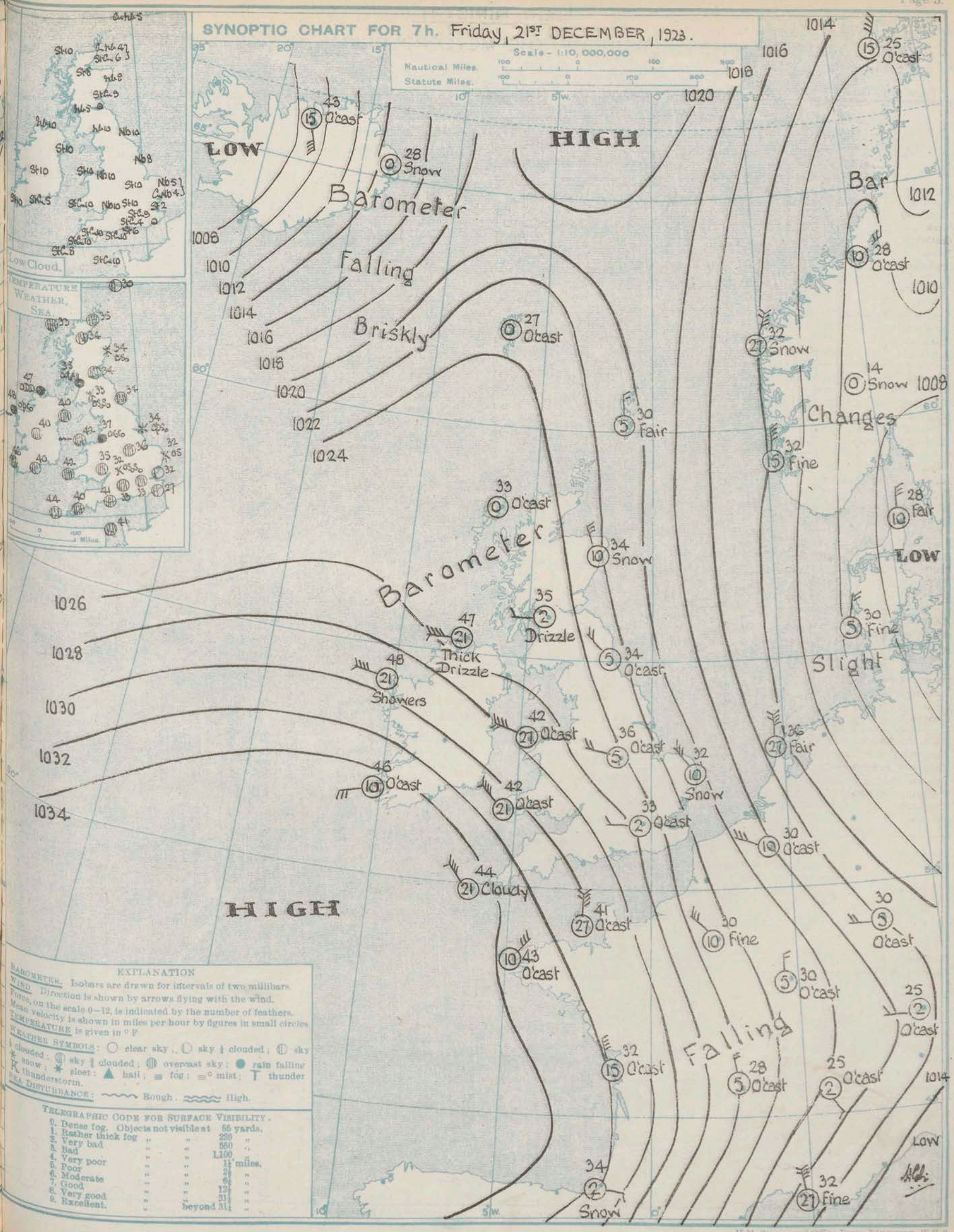
GENERAL INFERENCE.

The anticyclone off the mouth of Channel is moving away in a southerly or southwesterly direction and the wind is likely to become westerly in all distric with a rather higher temperature than of late. Some rain or drizzle is likely in most distric and sleet locally at first over the eastern parts of England and Scotland.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Friday, 21st December, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands	Wind N. to N.W., backing to W., fresh to strong at times; much cloud, some rain or sleet; visibility moderate; becoming less cold.	None issued.
4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England	Wind N.W., backing to W., fresh to strong at times, much cloud, some rain; visibility moderate; temperature rising.	
9. N. Midlands 10. N.E. England 11. E. Scotland	Wind N.W., backing to W., fresh to strong at times; much cloud, some rain or sleet; visibility moderate; temperature rising.	
12. S.W. Scotland 13. Isle of Man	Westerly wind, strong at times; much cloud, some rain; visibility moderate; temperature rising.	
14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Wind indefinite, becoming westerly, light to moderate; much cloud, some rain; becoming less cold.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Westerly wind, strong at times; much cloud, some rain; visibility moderate; mild.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0945 GMT. G. C. SIMPSON, F.R.S., Director.

† For Code see opposite page.



H.M. Stationery Office Press, Kingsway, W.C.2

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION Friday, 21st December 1923. No. 355

Observations at 0100 G.M.T. 21st

Stations.	Height above M.S.L. in feet	Barom. at M.S.L. mb.	Change in 3 Hours‡	Wind. Direc.	Wind. Force 0–12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0–9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0–10	Cloud. Upper Form.	Cloud. Total Amt. 0–10
Lerwick	54	1023·3	−3	NW	4	bcbs	30	97	6	4000	CuNb	5	–	5
Stornoway	51	1030·1	−3	W	1	bc	•	•	5	•	•	•	•	•
Wick	81	1026·1	−3	NW	3	0	34	97	8	2500	StCu	10	–	10
Castlebay	37	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	46	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	71	1032·6	−4	W'N	4	or5₀	40	97	7	4000	Nb	4	ASt	9
Renfrew	38	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	190	1028·7	−3	NW	4	c+	36	75	8	•	Cu	3	ACu	8
Leuchars	36	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	794	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	118	1027·8	−3	WNW	2	0	33	97	7	4000	StCu	10	–	10
Blacksod Point	10	1036·2	0	NW	4	0	43	75	7	•	•	•	•	10
Donaghadee	35	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	175	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	26	1032·2	−3	NW'N	7	0	43	75	9	2500	Cu	10	–	10
Liverpool (Bidston)	189	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick)	16	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	26	1024·0	−4	NW	6	bc	33	97	7	–	–	0	ACu	4
Birmingham (Edgbaston)	525	•	•	•	•	•	•	•	•	•	•	•	•	•
Nottingham	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	237	1027·5	−5	NW	4	0	29	75	6	–	–	0	–	0
Gorleston	13	1028·8	−2	NW	5	0s	32	75	5	4000	CuNb	8	ASt	10
Valencia (Cahirciveen)	30	1035·7	+2	W	2	0	45	92	8	–	StCu	10	–	10
Roches Point	32	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	149	1034·7	−1	NW	4	c	39	75	8	4000	StCu	8	–	8
Ross-on-Wye	223	•	•	•	•	•	•	•	•	•	•	•	•	•
Leafield	556	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	295	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough	250	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.)	18	•	•	•	•	•	31	•	•	•	•	•	•	•
Croydon	244	1028·3	−4	NW'W	2	0+	28	75	6	4000	StCu	9	–	9
Clacton-on-Sea	54	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	11	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	20	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	350	1036·2	−3	N'W	5	b	26	97	6	–	–	0	CiSt	3
Scilly (St. Mary's)	131	1037·3	0	N'W	5	~~bs~~ cq	41	75	8	4000	StCu	~~8~~ 8	–	~~8~~ 8
Falmouth (Pendennis)	200	1036·5	0	N	4	0	40	75	8	4000	StCu	10	–	10
Plymouth (Cattewater)	82	–	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	19	1031·2	−4	NNE	5	0+	37	75	7	4000	StCu	10	–	10
Southampton (Calshot)	12	1030·9	−3	WNW	4	c−	29	75	7	–	–	0	CiSt	7
Dungeness	21	1027·1	−1	NNW	3	0	26	97	7	–	–	0	–	0
Guernsey														

Observations at 0700 G.M.T. 21st

Stations.	Barom. at M.S.L. mb.	Change in 3 Hours‡	Wind. Direc.	Wind. Force 0–12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0–9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0–10	Cloud. Upper Form.	Cloud. Total Amt. 0–10	Sea. 0–9
Lerwick	1020·9	−3	N	2	bcjb	30	97	7	4000	CuNb	5	–	5	1
Stornoway	1024·6	−4	–	0	0	33	97	7	800	St	10	–	10	2
Wick	1022·9	−3	NNW	3	0	35	92	8	2500	StCu	10	–	10	4
Castlebay	1023·8	−2	ESE	3	or5₀	40	97	6	800	Nb	10	–	10	3
Nairn	1023·7	•	–	0	c+	34	92	8	1500	St	8	–	8	•
Aberdeen	1023·4	−3	NNW	3	c5₀	34	75	7	2500	Nb	8	–	8	1
Malin Head	1025·2	−4	W	5	0DD	47	97	6	4000	Nb	10	–	10	4
Renfrew	1024·9	−4	W	1	0d₀	35	97	6	1500	Nb	5	ASt	10	•
Edinburgh (Inchkeith)	1024·6	−4	W	3	0+	34	92	8	•	–	0	ASt	10	1
Leuchars	1023·8	−3	NW	3	0	34	85	8	4000	StCu	9	–	9	•
Eskdalemuir	1024·6	−4	WNW	2	o5₀	33	92	6	1500	Nb	10	–	10	•
Tynemouth	1023·8	−3	NW	2	0	34	97	6	800	Nb	10	–	10	4
Blacksod Point	1023·7	−6	WNW	5	0p₀	48	65	5	•	•	•	•	10	7
Donaghadee	1025·7	−6	WSW	2	0+	40	92	8	800	St	10	–	10	2
Birr Castle	1030·6	•	NW	1	0+	~	92	?	450	St	10	–	10	•
Holyhead	1027·5	−6	WNW	6	0	+2	92	8	2500	St	10	–	10	6
Liverpool (Bidston)	1026·5	−3	NW'N	3	o5₀	37	97	6	1500	Nb	10	–	10	•
Chester (Shotwick)	1026·4	−5	NW'W	4	or5₀	37	97	4	1500	Nb	10	–	10	•
Spurn Head	1021·6	−2	WNW	6	cp5₀	34	97	6	2500	[illegible]	8	–	8	5
Birmingham (Edgbaston)	1026·2	−4	NW	4	o5₀	34	92	5	1500	[illegible]	10	–	10	•
Nottingham	1024·9	−3	WNW	2	0	36	75	4	1500	St	10	–	10	•
Cranwell	1024·2	−5	NW	5	c	33	75	6	–	–	0	ACu	8	•
Gorleston	1028·8	−2	NW	3	o5	32	97	6	2500	Nb	9	–	9	1
Valencia (Cahirciveen)	1034·2	−5	W'S	3	o/p	46	85	7	1500	St	10	–	10	3
Roches Point	1033·0	−5	NW	1	bc	40	92	8	2500	StCu	5	–	5	0
Pembroke (St. Ann's H.)	1030·8	−3	NW	5	0	42	75	8	2500	StCu	10	–	10	3
Ross-on-Wye	1027·5	−4	–	0	o/r	35	92	8	2500	Nb	10	–	10	•
Leafield	1027·1	−4	NW	2	o5₀s	32	97	6	2500	St	10	–	10	•
Andover	1026·9	−3	WNW	3	o5₀s	33	92	6	1500	StCu	10	–	10	•
S. Farnborough	1026·9	−4	NW	3	0	33	85	7	1500	StCu	4	ASt	10	•
London (Kew Obsy.)	1026·0	−4	W	1	0	33	65	6	2500	StCu	9	–	9	•
Croydon	1025·4	−2	WNW	2	0	30	75	6	4000	StCu	6	ACu	9	•
Clacton-on-Sea	1022·6	−2	NNW	4	b	32	85	6	1500	St	2	–	[illegible]	3
Shoeburyness	1022·6	−2	NW	4	b	31	75	7	–	–	0	Ci	–	3
Grain	1024·0	−2	WNW	4	b	31	85	7	–	–	0	ASt	–	
Lympne	1023·5	−3	NNW	4	bc	28	85	6	4000	StCu	2	CiSt	3	
Scilly (St. Mary's)	1034·9	−2	NW	5	c	44	85	8	4000	StCu	8	–	8	5
Falmouth (Pendennis)	1032·3	−2	NNW	5	0−	40	85	8	4000	StCu	10	–	10	0
Plymouth (Cattewater)	1031·2	−1	NNW	3	0	41	85	8	2500	StCu	10	–	10	0
Portland Bill	1028·0	−4	NE	3	0	41	75	7	4000	StCu	10	–	10	3
Southampton (Calshot)	1027·3	−2	W	3	c+	32	85	7	1500	St	6	ASt	8	0
Dungeness	1025·8	−3	NW	3	bc	27	97	7	–	–	0	CiSt	4	2
Guernsey	1029·2	−3	N'W	6	0	41	85	7	2500	StCu	10	–	10	5

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 20th December

Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 19h.–20h. °F.	Temperature. Max. Day. 20h. °F.	Rainfall.† Night 17h.–9h. 19h.–20h. mm.	Rainfall.† Day 9h.–17h. 20h. mm.	Sunshine.	Sunshine. Sunrise to Sunset. 20h. hr.
Montrose	sxbbc	cxu	23	34	3	1		1·2
Berwick-on-Tweed	prs₀	psbcc	30	35	3	0·1		0·3
Llandudno	cbc	c	36	38	–	–		2·2
Colwyn Bay	bc	bc	36	47	–	–		3·5
Rhyl	cbc	bcc	37	39	–	–		3·1
Southport	xb	bbcb	33	35	–	–		5·0
Blackpool	cc	bc	33	35	–	–		4·5
Ilkley	b	b	29	36	–	–		3·2
Harrogate	b	b	27	31	1	–		4·9
Skegness	mhsoc	cos	29	37	–	0·2		1·8
Aberystwyth	rcc	b	35	41	2	–		4·3
Bath	bbc	b	33	39	–	–		5·7
Leamington Spa	cb	bc	30	39	–	–		2·8
Lowestoft	socb	psh	30	38	4	1		1·8
Felixstowe	orsps	ocbc	31	35	1	2		1·2
Southend	osho	ocbc	30	37	0·2	0·1		0·3
Ilfracombe	bbc	bcebcb	36	42	–	–		3·9
Bude	prsbc	bprsb	34	42	1	0·4		4·3
Torquay	b	b	35	42	1	–		5·7
Weymouth	b	b	33	46	–	–		6·3
Bournemouth	b	b	32	39	0·3	–		6·9
Portsmouth (S'thsea)	bbc	bm	33	38	–	–		4·8
Littlehampton	bc	bc	33	40	–	–		5·3
Worthing	bbc	b	32	38	0·3	–		4·2
Brighton	bbcou	uocbb	33	38	–	–		4·6
Eastbourne	bbc	cbcb	31	39	1	–		4·1
Hastings	bccoc	cbcb	29	37	2	–		3·5
Folkestone	sohp	spoc	31	37	0·3	1		0·5
Dover	ocqhs	sobbc	32	38	1	1		0·8
Tunbridge Wells	cb	cbcb	27	36	3	–		0·8
Ramsgate	bcso	o	33	41	1	1		0·1
Margate	os	o	33	39	1	1		0·0
Deal	sc	sc	32	37	–	Trace		0·0

TERMS OF SUBSCRIPTION.—6/6 per quarter or 25/– per year, post free. Single copies may be obtained at the Meteorological Office, price 1d.

* Information for these columns not usually received. † Trace = rain ~~has fallen~~, but amount less than 0·1 mm. § For code see page 3. ‡ See footnote page 1

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B22675 Saturday, 22nd December 1923.

Observations at 1300 G.M.T. 21st

STATIONS. (For heights see p.4).	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	State of ground.
Lerwick	1018·1	-3	NNW	2	ojp	31	97	7	4000	CuNb	3	AST	7	*
Stornoway	1019·3	-4	–	0	ddde	34	97	4	450	St	10	–	10	*
Wick	1019·5	-2	N	2	o	35	85	8	4000	StCu	10	–	10	*
Castlebay	1019·4	-5	NW	2	o6o	46	97	7	800	Nb	10	–	10	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1020·3	-3	WNW	2	o	34	85	7	2500	StCu	10	–	10	7
Malin Head	1021·4	-4	WNW	4	OD	46	97	7	4000	Nb	8	AST	10	*
Renfrew	1021·1	-4	–	0	oddd	36	97	3	1500	Nb	10	–	10	2
Edinburgh (Inchkeith)	1020·7	-4	W	2	om+	35	97	5	*	Cu	2	AST	10	*
Leuchars	1020·1	-4	NW	1	o	35	85	7	–	–	3	AST	10	9
Eskdalemuir	1021·0	-3	–	0	o5o	33	85	6	800	Nb	10	–	10	7
Tynemouth	1020·3	-3	WNW	2	o	35	85	6	800	Nb	10	–	10	*
Blacksod Point	1025·6	-4	SW	4	omt	47	97	6	*	*	*	*	10	*
Donaghadee	1021·4	-3	WNW	3	c-	46	92	8	450	St	7	–	7	*
Birr Castle	1026·2	*	SW	2	o-	46	85	6	4000	Nb	3	–	3	*
Holyhead	1022·1	-5	NWW	6	o	45	97	8	800	St	10	–	10	0
Liverpool (Bidston)	1021·4	-3	NE	1	oddo	38	97	2	800	Nb	10	–	10	*
Chester (Shotwick)	1022·2	-3	–	0	oddo	35	97	2	1500	Nb	10	–	10	2
Spurn Head	1019·0	-3	NW'W	5	ojp	35	92	6	2500	Nb	10	–	10	*
Birmingham (Edgbaston)	1021·9	-5	NW	1	ofsfs	34	97	2	<150	Nb	10	–	10	7
Nottingham	1021·0	-4	NW	2	o5o5	34	92	2	800	St	10	–	10	*
Cranwell	1021·3	-4	N'W'W	4	o	34	97	6	4000	St	10	–	10	0
Gorleston	1017·1	-2	NW'W	4	c5o	33	97	6	4000	CuNb	8	–	8	*
Valencia (Cahirciveen)	1029·0	-5	W	4	oro	48	97	6	800	St	10	–	10	1
Roches Point	1027·3	-7	W	3	o	47	92	8	1500	StCu	10	–	10	*
Pembroke (St. Ann's H.)	1025·7	-5	W	4	o	45	85	8	4000	StCu	10	–	10	*
Ross-on-Wye	1020·4	-8	WNW	4	o	44	85	8	2500	Cu	8	CiCu	9	1
Leafield	1021·8	-8	SW	2	oss	32	97	2	?	?	?	?	?	*
Andover	1021·8	-6	W'N	3	odd	37	97	5	800	Nb	10	–	10	1
S. Farnborough	1022·7	-5	WNW	2	orsfs	34	97	5	800	Nb	10	–	10	2
London (Kew Obsy.)	1021·8	-5	W	1	oss	35	85	4	1500	Nb	10	–	10	7
Croydon	1022·1	-4	NW	2	oss	33	92	3	450	Nb	10	–	10	7
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1020·2	-3	NW	2	om	35	85	6	1500	StCu	9	–	9	*
Grain	1020·8	-3	WNW	4	o+	36	75	6	1500	St	10	–	10	3
Lympne	1020·1	-4	NNW	5	o	35	75	5	4000	StCu	10	–	10	2
Scilly (St. Mary's)	1030·0	-2	WNW	6	o	47	85	7	4000	StCu	10	–	10	*
Falmouth (Pendennis)	1028·3	-5	NW	3	c+	44	92	8	5700	StCu	7	–	7	*
Plymouth (Cattewater)	1026·7	-4	WNW	4	oro	45	92	7	1500	St	10	–	10	0
Portland Bill	1022·8	-8	WNW	5	o	45	85	7	4000	StCu	10	–	10	*
Southampton (Calshot)	1022·4	-8	W	3	odd	39	97	5	1500	Nb	10	–	10	1
Dungeness	1021·2	-5	NW	3	o	34	92	6	–	–	0	AST	10	*
Guernsey	1025·9	-6	WNW	6	odo	44	85	8	2500	Nb	10	–	10	*

Observations at 1800 G.M.T. 21st

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Seq.
Lerwick	1018·9	-3	-	0	o	31	92	7	-	-	0	AST	10	0
Stornoway	1012·0	-3	-	0	odd	40	97	4	450	St	10	-	10	0
Wick	1013·0	-5	W	1	o5o	31	97	7	1500	St	10	-	10	0
Castlebay	1015·5	-4	W	3	o/r	46	97	7	1500	St	10	-	10	3
Nairn	1014·9	*	-	0	o6	32	92	7	1500	Nb	9	-	9	*
Aberdeen	1016·6	-4	WNW	2	o	32	85	7	4000	StCu	10	-	10	0
Malin Head	1017·5	-3	W	4	o/r	46	97	7	800	St	10	-	10	4
Renfrew	1017·1	-5	-	0	oddo	36	97	3	450	Nb	10	-	10	*
Edinburgh (Inchkeith)	1017·9	-3	W	1	oddo	36	97	6	*	Nb	10	-	10	0
Leuchars	1016·6	-4	-	0	o5o	32	92	6	≠	≠	10	AST	10	*
Eskdalemuir	1017·7	-3	-	0	oo	32	97	6	800	Nb	10	-	10	*
Tynemouth	1018·5	-2	W	1	opro	34	92	6	800	Nb	10	-	10	2
Blacksod Point	1021·7	-2	NW	4	o/r	48	92	6	*	*	*	*	10	5
Donaghadee	1018·4	-2	W'N	3	o/r	45	92	7	450	St	10	-	10	3
Birr Castle	1021·8	*	W	1	o	47	97	6	1500	Nb	10	-	10	*
Holyhead	1019·1	-3	WNW	4	o	46	97	8	1500	StCu	10	-	10	3
Liverpool (Bidston)	1019·5	-3	E	1	o/r	38	97	2	1500	Nb	10	-	10	1
Chester (Shotwick)	1019·1	-1	-	0	[illegible]	36	97	3	800	St	10	-	10	*
Spurn Head	1016·9	-3	NW	3	o	38	92	6	1500	St	10	-	10	3
Birmingham (Edgbaston)	1019·8	-2	SE	1	o	32	97	2	800	Nb	10	-	10	*
Nottingham	1019·0	-2	W	1	o	33	92	3	800	St	10	-	10	*
Cranwell	1019·2	-1	W'N	3	o	32	97	6	1500	St	10	-	10	*
Gorleston	1016·9	-1	WNW	3	o	32	97	6	4000	CuNb	8	-	8	0
Valencia (Cahirciveen)	1025·1	-3	WNW	5	oro	51	92	6	800	St	10	-	10	6
Roches Point	1022·8	-5	W	3	odd	49	97	7	1500	CuNb	10	-	10	3
Pembroke (St. Ann's H.)	1021·6	-3	W	3	o	47	85	8	4000	StCu	10	-	10	3
Ross-on-Wye	1019·2	-2	E	3	om	36	92	6	2500	St	10	-	10	*
Leafield	1020·0	0	NE	2	o3+	31	97	2	1500	St	10	-	10	*
Andover	1020·0	0	NE	1	o5s	33	97	4	800	Nb	10	-	10	*
S. Farnborough	1019·4	-1	-	0	o5o	33	97	4	800	Nb	10	-	10	*
London (Kew Obsy.)	1019·2	-2	N	1	oss	33	97	3	1500	Nb	10	-	10	*
Croydon	1019·5	-1	N'W	2	o56	32	97	3	450	Nb	10	-	10	*
Clacton-on-Sea	1017·6	-1	NW	3	o	33	92	5	-	-	0	AST	10	0
Shoeburyness	1018·3	-1	N'W	3	o5t	33	85	7	4000	St	10	-	10	*
Grain	1018·4	-2	WNW	4	o5t	32	92	7	1500	St	10	-	10	0
Lympne	1016·3	0	NNW	4	o5o	31	92	5	800	Nb	10	-	10	*
Scilly (St. Mary's)	1024·4	-3	NW'W	6	o	45	97	8	4000	StCu	10	-	10	6
Falmouth (Pendennis)	1022·7	-5	W'N	4	odo	46	97	6	4000	CuNb	7	-	7	0
Plymouth (Cattewater)	1022·0	-4	NW	3	oro	46	97	8	2500	St	7	-	7	0
Portland Bill	1018·8	-4	NW	6	o	46	85	7	4000	StCu	10	-	10	3
Southampton (Calshot)	1019·9	+1	E'N	2	odd	36	97	5	800	Nb	10	-	10	0
Dungeness	1018·9	-1	NNW	3	o3t	32	97	6	-	-	0	AST	10	3
Guernsey	1022·3	-4	NW	6	o	46	92	7	4000	CuNb	1	ACu	10	4

LONDON OBSERVATIONS.

	Height above M.S.L. in feet.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Temperature. Max. °F.	Temperature. Min. °F.	Min. on Grass. °F.	Rainfall. Day.	Rainfall. Night.	Sunshine to Sunset, hrs. Yesterday.	Humidity. 15h. G.M.T. % To-day.	Humidity. 9h. G.M.T. % To-day.	Visibility 9h.
		24 Hours ended 0900 G.M.T. 22nd											
Kew	18	omoms	omos	ofsmt	*	*	32	3	2	0.0	*	*	3
Croydon (24 hours ended 0700)	244	ozmss	ossft	ofssmt	*	*	30	2	2	0.0	*	*	
Greenwich (Royal Obsy.)	149	o	os	osr	39	32	31	2	3	0.0	94	94	3
City (Bunhill Row)	80	*	*	*	*	*	*	*	*		*	*	*
Westminster (St. James' Pk.)	27	*	*	*	38	352	32	7		0.0	93	96	*
Regent's Pk. (Botanic Gdns).	168	*	*	*	*	*	*	*	*	0.0	*	*	*
Camden Square	110	cos	omos	*	37	32	31	6		*	*	100	*
Kensington Palace	80	os	os	*	37	32	31	1	4	*	(At 18h 89	100	*
Hampstead Observatory	450	*	*	*	35	21	22	3	4		*	100	*

ATMOSPHERIC POLLUTION.
Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 1600 G.M.T. 21st

South Kensington Max.	Time.	Min.	Time.
1·0	1900 20th	<0·3	0400 21st
1·0	0900 21st		

Kew Observatory Max.	Time.	Min.	Time.
-	-	-	-

POLE STAR RECORD at Greenwich Obsy.

Exposure from 21st 17h 00m to 22nd 06h 45m

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	12·45	0·0	Nil
δ Ursae Minoris	13·45	0·0	Nil

CODE FOR STATE OF GROUND.

0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.[1]

Time.	Type.	No. per 4 sec.	Stren.	Direc.
13h.	C	5	1	140°
18h.	C2	6	1	160°
01h.	C	5	1	140°
07h.	C	5	1	110°

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.

22nd–23rd December, 1923.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	8·5	11·52	3·39
	8·5	11·52	3·39
Greenwich	8·6	11·59	3·52
	8·6	11·59	3·52
Wick	9·4	12·11	3·18
	9·4	12·11	3·18
Valencia	8·50	12·40	4·30
	8·50	12·40	4·30

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, " less than 200 m.
m mist, " 1000—10000 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. r rain. s snow.
rs sleet t thunder.
u ugly, threatening sky.
v unusual visibility. w dew.
x hoar frost. y dry air.
z dust haze; the turbid atmosphere of dry weather.
h(r)="hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity.
R = heavy rain. ro = slight rain. rr = continuous rain.

SYMBOLS.

< = less than (for cloud height), before (for precipitation).
⊕ = solar halo. ☾ = lunar halo.

With present weather is combined, whenever possible, the general character of the weather;

A "solidus" divides actual existing weather from preceding conditions, thus:—bc/r = fair weather after rain; - = "decreasing"; + = "increasing."

The BEAUFORT SCALE of WIND is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers, is the speed at about 20 feet above the ground.

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1- 3
2	4- 7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

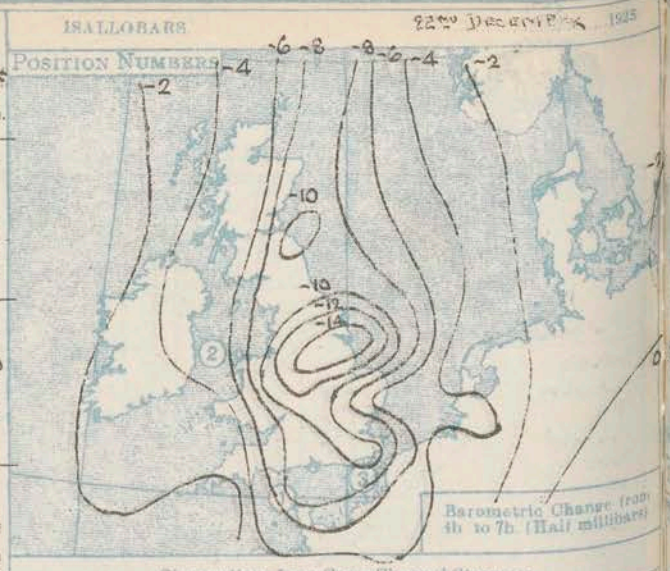
SEA DISTURBANCE.

0=no swell } Calm or slight sea.
1=mod. swell } Calm or slight sea.
2=heavy swell } Calm or slight sea.
3=no swell } Moderate sea.
4=mod. swell } Moderate sea.
5=heavy swell } Moderate sea.
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea

[1] For explanation see Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS	WEATHER. 7h.-13h.	13h.-18h.	18h. to 1h.	1h.-7h.	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS.	RAINFALL.† Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began	SUN. Hours.
Lerwick	bc	o	as	osr	33	31		-	10	-	<2100	0.5
Stornoway	d	d	r-d	bcpy	40	38	•	2	10	-	-	0.0
Wick	oo	off	ossm	rrhmm	35	30	•	0.1	12	16.30	<2100	•
Castlebay	ro	ro	orr	rrop	46	46	•	3	2	-	-	0.0
Nairn	cpsso	oo	fprsco	prscs	34	32		2	6	09.00	<2100	0.0
Aberdeen	cpsc	oo	oss	osors	34	31	30	Trace	14	08.00	<2100	0.0
Malin Head	coID	idom	omdf	omdd	47	46		0.3	1	20800	<2100	0.3
Renfrew	ofdd	odg	ofdd	orro	37	35	35	1	2	20800	<2100	0.0
Edinburgh (Inchkeith)	om	mps	mmd	dd	36	34	?	0.3	5	13.30	<2100	0.0
Leuchars	oo	osso	ossm	osrsm	35	32	30	0.1	5	13.30	-	0.0
Eskdalemuir	opso	opsm	osom	osoro	33	31	32	1	8	20800	<2100	0.0
Tynemouth	om	mps	ss	orrm	35	33	32	Trace	9	13.30	-	•
Blacksod Point	f-m	r-d	r-d	p	47	40	•	0.5	1	-	-	•
Donaghadee	op	od	c.	sdq	46	44	•	0.2	0.2	09.00	0030	•
Birr Castle	com	omd	cofdo	orro	47	45	43	Trace	0.2	12.30	0530	0.0
Holyhead	oo	oo	oDm	rsm	46	46	45	-	0.6	-	24.00	0.0
Liverpool (Bidston)	md	r-d	r-d	r-d	47	34	33	9	3	20800	<2100	0.0
Chester (Shotwick)	orrmd	oDDif	oroq	orrdm	40	35	38	13	4	20800	<2100	0.0
Spurn Head	c	oo	oso	ossor	36	32		-	3	-	<2100	0.6
Birmingham (Edgbaston)	srsrf	rrssif	osr	orr	32	31	31	7	3	20800	<2100	0.0
Nottingham	ssrf	sso	sos	f-m	36	31	31	1	4	09.00	<2100	0.0
Cranwell	oo	as	ssf	sr	34	30	29	Trace	6	16.30	<2100	0.0
Gorleston	osco	oiso	oiso	os	33	30	29	5	1	20800	<2100	0.0
Valencia (Cahirciveen)	omir	omir	omdm	om	51	43	45	4	Trace	08.00	-	0.0
Roches Point	bcco	odd	dso	obc	49	43	•	0.3	0.2	16.30	<2100	•
Pembroke (St. Ann's H.)	oo	oo	p	qpc	47	46	•	-	0.4	-	0130	0.0
Ross-on-Wye	oo	oo	omdmo	oso	45	34	34	-	0.6	-	<2100	0.0
Leafield	ss	sx	offdff	ddff	33	30	?	3	2	20800	<2100	0.0
Andover	orsdm	mdm	oso	osm	40	32	32	4	1	20800	<2100	0.0
S. Farnborough	sorss	cossm	oss	odm	35	31	32	3	3	09.00	<2100	0.0
London (Kew Obsy.)	omors	omcofs	ofsm	omof	36	32	32	3	2	11.00	<2100	0.0
Croydon	ocrss	ossff	ofssm	ossms	35	32	30	2	2	11.00	<2100	0.0
Clacton-on-Sea	bbc	bcosm	osm	osmfs	35	23	26	-	0.3	-	2200	2.0
Shoeburyness	bbcom	omss	odd	ossss	36	25	28	0.1	1	-	<2100	0.8
Grain	bbcom	oiso	oso	oor	37	29	25	Trace	0.4	14.30	<2100	0.8
Lympne	bccom	omss	omss	omfss	35	28	24	0.2	1	14.30	<2100	1.3
Scilly (St. Mary's)	coc	ajmd	sifif	opqbc	48	47	•	0.5	2	14.30	<2100	0.0
Falmouth (Pendennis)	cptcc	cocmd	omd	odco	46	46	•	1	2	09.00	0230	0.3
Plymouth (Cattewater)	or	or	od	odd	46	45	41	0.2	0.4	20800	<2100	1.1
Portland Bill	oo	oo	os	r-d	46	45	•	-	Trace	-	0530	•
Southampton (Calshot)	opsd	odm	oidm	mmdr	44	35	34	1	1	20800	<2100	0.0
Dungeness	o	ops	s	osrrs	36	31	•	0.2	1	11.00	<2100	•
Guernsey	opcq	oq	[illegible]	odqc	46	42	•	0.1	1	20800	2200	•



Observations from Cross Channel Steamers.

Position	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Authority
2	21st 10.0	SCOTIA	WNW	5	cd	45	48	1
3	22nd 02.00	BRIGTON	NW	4	d	35	40	

GENERAL INFERENCE.

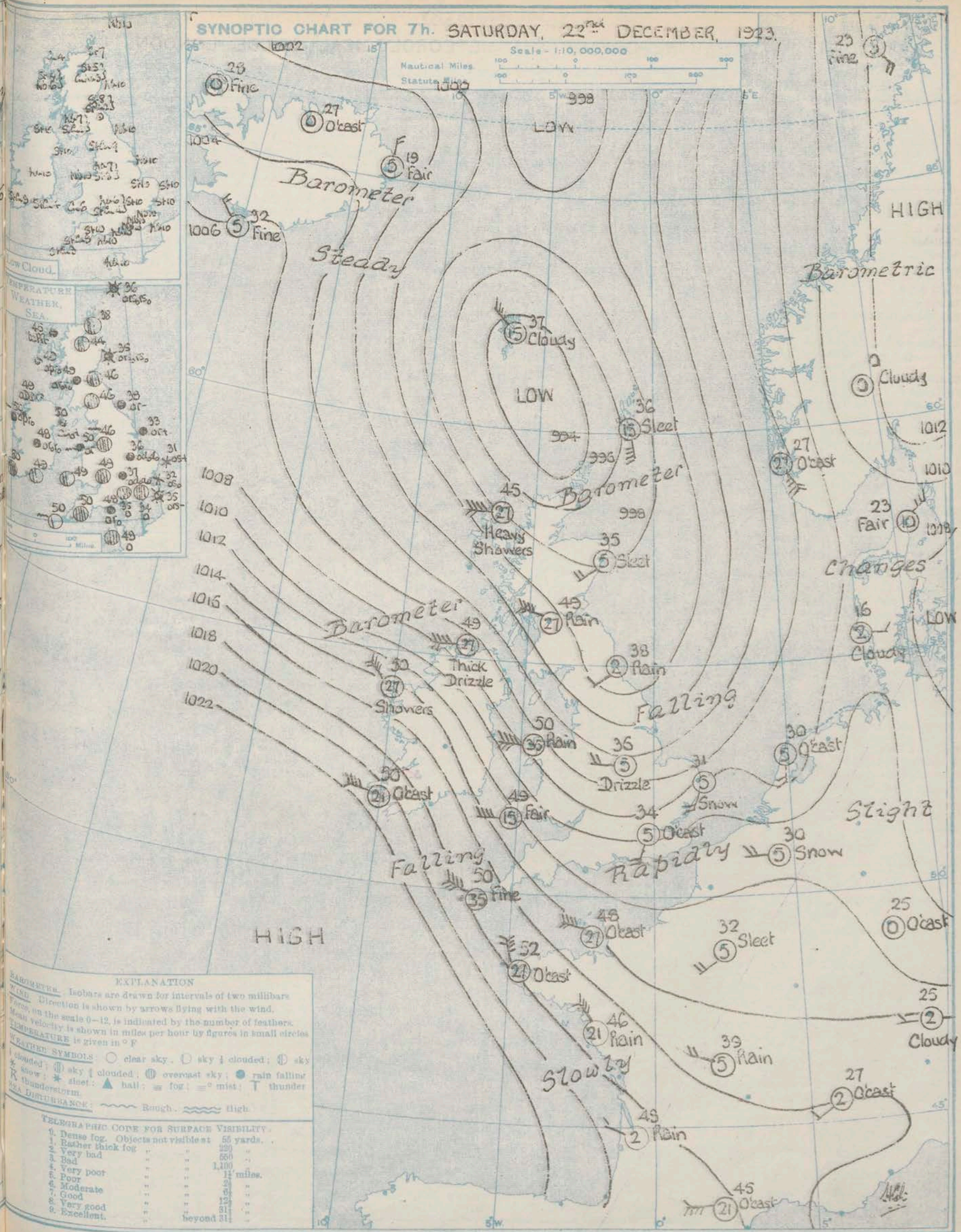
The depression recently between Iceland and the Faeroes is centred off the north coast of Scotland and is growing deeper. It is likely to move in a southeasterly direction and cause westerly to northwesterly winds, veering to between N.W. and N. later, strong to a gale in exposed places. Rain is probable at times in all districts and conditions will be rather mild temporarily, probably becoming colder again later.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Saturday, 22nd December, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Westerly wind, becoming fresh to strong, and veering to N.W., probably reaching gale force in exposed places; much cloud, intermittent rain, probably improving to-morrow; visibility moderate; milder than of late.	Cold and unsettled, but considerable fair periods in the West.
5. S.W. England 6. South Wales	Wind N.W., fresh to strong, a gale at times in exposed places; occasional rain, some bright periods; visibility moderate or good; mild at first, colder later.	
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. E. Scotland 12. S.W. Scotland 13. Isle of Man	Wind N.W., fresh to strong, a gale at times in exposed places; intermittent rain, probably turning to hail or sleet later with fairer periods; visibility poor to moderate, improving; mild, then colder.	
14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Wind N.W. to N., fresh to strong, a gale locally; rain or sleet at times, probably snow later; visibility mainly moderate to good; becoming colder.	North Cone hoisted 0913 22.12.23.
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind N.W., fresh to strong, a gale at times in exposed places; intermittent rain at first, rain or hail showers with bright intervals later; visibility moderate to good; becoming rather colder.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0950 GMT. G. C. SIMPSON, F.R.S., Director.

† For Code see opposite page.

SYNOPTIC CHART FOR 7h. SATURDAY, 22nd DECEMBER, 1923.



AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

 BRITISH SECTION. Saturday 22nd December 1923. No. 356.

Observations at 0100 G.M.T. 22nd

Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather	Temp. °F.	Humidity %	Visibility.§ 0-9	Cloud Height Feet	Low Form	Low Amt. 0-10	Upper Form	Total Amt. 0-10
Lerwick	54	1006.7	-9	SSE	3	os0s0	34	85	6	4000	Nb	10	–	10
Stornoway	51	1003.7	-7	W	3	DD	*	*	4	*	*	*	*	*
Wick	81	1003.1	-8	S	3	orr	35	97	7	2500	Nb	10	–	10
Castlebay	37	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	82	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	46	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	71	1011.5	-4	W	6	oDD	48	97	4	300	St	10	–	10
Renfrew	38	*	*	*	*	*	*	*	*	*	*	*	*	*
Edinburgh (Inchkeith)	190	1008.0	-10	–	0	mmo	36	97	4	*	St	10	–	10
Leuchars	36	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*
Tynemouth	118	1011.6	-5	SW	1	os0s0	33	97	5	800	St	10	–	10
Blacksod Point	10	1012.1	-1	NW'W	4	o/r	30	92	3	*	*	*	*	10
Donaghadee	35	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	175	*	*	*	*	*	*	*	*	*	*	*	*	*
Holyhead	28	1014.3	-4	W'N	34	oD	46	97	6	<150	St	10	–	10
Liverpool (Bidston)	189	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Shotwick)	16	*	*	*	*	*	*	*	*	*	*	*	*	*
Spurn Head	26	1013.3	-3	WNW	4	oRSRS	33	97	5	2500	Nb	10	–	10
Birmingham (Edgbaston)	525	*	*	*	*	*	*	*	*	*	*	*	*	*
Nottingham	82	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	237	1013.4	-3	W	2	oss	31	97	3	2500	St	10	–	10
Gorleston	13	1014.8	-2	W'N	3	os0	33	85	5	4000	CuNb	10	–	10
Valencia (Cahirciveen)	30	1024.7	-2	W	5	o+	50	92	6	–	St	10	–	10
Roches Point	32	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	149	1016.2	-3	W	3	ojp	48	97	7	1500	St	10	–	10
Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*
Leafield	556	*	*	*	*	*	*	*	*	*	*	*	*	*
Andover	295	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough	230	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.)	18	*	*	*	*	*	33	*	*	*	*	*	*	*
Croydon	244	1016.1	-4	W'N.	1	os.s.	32	97	4	800	Nb	10	–	10
Clacton-on-Sea	51	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	20	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	350	1013.7	-2	NNW	3	ops(h)	29	97	6	1500	St	10	–	10
Scilly (St. Mary's)	131	1021.6	-1	NW'W	5	opr	50	97	7	4000	Nb	10	–	10
Falmouth (Pendennis)	200	1018.7	-4	NW	3	od0	48	97	7	4000	Nb	10	–	10
Plymouth (Cattewater)	82	*	*	*	*	*	*	*	*	*	*	*	*	*
Portland Bill	19	1015.3	-4	NW	5	o	48	75	7	4000	StCu	10	–	10
Southampton (Calshot)	12	1016.8	-3	NE	1	o/r	35	97	5	1500	St	10	–	10
Dungeness	21	1016.0	-2	NW	2	ors0rs0	31	97	4	4000	Nb	10	–	10
Guernsey														

Observations at 0700 G.M.T. 22nd

Stations	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather	Temp. °F.	Humidity %	Visibility.§ 0-9	Cloud Height Feet	Low Form	Low Amt. 0-10	Upper Form	Total Amt. 0-10	Sea 0-9
Lerwick	996.6	-8	SSE	4	ors0rs0	36	97	6	4000	Nb	10	–	10	3
Stornoway	998.6	*	W	6	bcPR	45	92	7	1000	Cu	4	–	4	4
Wick	995.8	-4	WNW	1	c/f	38	97	7	225	St	7	–	7	0
Castlebay	1002.6	-3	WNW	5	opr0	49	97	7	800	Nb	10	–	10	4
Nairn	997.0	*	W	1	cp(h)	44	85	8	1500	St	8	–	8	*
Aberdeen	996.6	-8	SW	2	ors0rs0	35	97	6	1500	Nb	10	–	10	1
Malin Head	1007.2	-4	W	5	oDD	49	97	4	800	St	10	-	10	5
Renfrew	1000.4	-5	WNW	6	or0r0	49	92	6	1500	Nb	10	–	10	*
Edinburgh (Inchkeith)	999.1	-10	W.	2	o/r	46	92	7	*	–	–	ASt	10	0
Leuchars	997.6	-9	WSW	2	os(h)	34	97	6	1500	St	10	–	10	*
Eskdalemuir	999.3	-8	W	7	o/r	46	85	6	1500	StCu	9	–	9	*
Tynemouth	999.1	-8	SW	1	or-	38	97	6	800	Nb	10	–	10	2
Blacksod Point	1015.2	-2	NW'W	6	opr0	50	85	3	*	*	*	*	10	6
Donaghadee	1009.0	-5	W	4	od0+	50	92	7	800	St	10	–	10	3
Birr Castle	1015.0	*	SW	3	or0r0	48	97	3	1500	Nb	10	–	10	*
Holyhead	1008.6	-5	W	7	or0	50	97	7	1500	Nb	10	-	10	6
Liverpool (Bidston)	1005.6	-6	SW	7	o/r	46	97	7	1500	Nb	10	–	10	7
Chester (Shotwick)	~~1004.0~~ 1006.2	-7	W	6	od0	50	92	4	800	Nb	10	-	10	
Spurn Head	1002.0	-14	WSW	5	orr	33	97	5	1500	Nb	10	–	10	5
Birmingham (Edgbaston)	1001.4	-5	SW	5	or0	41	97	6	800	Nb	10	–	10	*
Nottingham	1001.6	-14	W	2	odd0	36	97	2	800	St	10	–	10	*
Cranwell	1004.5	-9	SW	3	orr	35	97	6	1500	Nb	10	–	10	*
Gorleston	1005.4	-5	SW'S	2	os+	31	97	5	2500	St	10	–	10	1
Valencia (Cahirciveen)	1021.2	-3	WNW	5	o	50	85	6	800	StCu	9	–	9	6
Roches Point	1016.8	-3	NW	5	bc	49	85	8	2500	StCu	4	–	4	0
Pembroke (St. Ann's H.)	1013.4	-3	W	4	bc	49	92	8	4000	Cu	6	–	6	3
Ross-on-Wye	1008.9	-6	W	4	o	49	85	8	2500	Nb	10	–	10	*
Leafield	1008.2	-10	SW	2	odd0	37	97	1	<150	St	10	–	10	*
Andover	1009.8	-7	–	0	od0	34	97	2	225	Nb	10	–	10	*
S. Farnborough	1009.1	-10	WSW	3	o	35	97	5	800	Nb	10	–	10	*
London (Kew Obsy.)	1008.8	-9	SSW	2	o	34	97	3	1500	Nb	10	–	10	*
Croydon	1008.3	-5	SWS	3	or0r0	34	97	5	800	Nb	10	-	10	*
Clacton-on-Sea	1009.5	-7	SSW	2	os0	32	92	4	300	St	10	–	10	0
Shoeburyness	1008.7	-8	ESE	1	odd0	33	92	4	225	St	10	–	10	*
Grain	1009.9	-9	SSW	3	or0+	33	92	5	800	Nb	10	–	10	0
Lympne	1010.2	-6	W	2	os0s0	30	97	2	<150	St	10	-	10	*
Scilly (St. Mary's)	1018.7	-1	NW'W	7	b	50	97	7	4000	StCu	3	-	3	6
Falmouth (Pendennis)	1017.0	-2	NW	5	o/r	50	85	8	5700	StCu	9	–	9	0
Plymouth (Cattewater)	1014.7	-3	NW	3	o/r	51	92	7	1500	St	10	–	10	0
Portland Bill	1010.8	-8	W	5	or0	48	97	7	2500	Nb	10	–	10	3
Southampton (Calshot)	1010.4	-6	WSW	4	or0+	42	97	6	300	Nb	10	–	10	0
Dungeness	1010.8	-6	SW	3	ors-	35	97	6	4000	Nb	10	–	10	3
Guernsey	1014.1	-5	WNW	6	o/r	46	97	7	1500	Nb	10	–	10	4

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 21st December

Stations	Weather Fore-noon	Weather After-noon	Temperature Min. Night 20th-21st °F.	Temperature Max. Day 21st °F.	Rainfall.† Night 17h.-9h. 20th-21st mm.	Rainfall.† Day 9h.-17h. 21st mm.		Sunshine Sunrise to Sunset 21st hr.
Montrose	xc	comx	32	35	Trace	–		0.0
Berwick-on-Tweed	cogcc	cgus0	32	36	–	0.1		0.0
Llandudno	o	dc	35	43	2	0.2		0.0
Colwyn Bay	p	cp	36	45	3	1		0.0
Rhyl	c	c	36	43	3	5		0.0
Southport	r	or	31	36	3	2		0.0
Blackpool	or	pdo	32	36	4	1		0.0
Ilkley	om	so	27	35	0.3	1		0.0
Harrogate	so	opss	27	34	0.3	~~[illegible]~~		0.0
Skegness	bco	b	29	36	0.2	-		0.5
Aberystwyth	roc	o	34	46	1	–		0.0
Bath	mro	o	28	43	1	0.3		0.0
Leamington Spa	os	os	26	34	1	2		0.0
Lowestoft	o	cs	29	34	15	3		0.6
Felixstowe	b	bo	28	36	–	–		5.6
Southend	co	os	26	34	–	–		0.0

Stations	Weather Fore-noon	Weather After-noon	Temperature Min. Night 20th-21st °F.	Temperature Max. Day 21st °F.	Rainfall.† Night 17h.-9h. 20th-21st mm.	Rainfall.† Day 9h.-17h. 21st mm.		Sunshine Sunrise to Sunset 21st hr.
Ilfracombe	o	o	37	47	--	--		0.0
Bude								
Torquay	cbcpc	bcco	30	48	0.2	0.1		1.6
Weymouth	o	o	29	~~21~~ 45	--	--		0.0
Bournemouth	o	o	28	44	0.3	–		0.0
Portsmouth (S'thsea)	or	cdfg	28	39	--	3		0.0
Littlehampton	oocr	ocs	26	37	–	3		0.0
Worthing	os	rs	26	37	–	1		0.0
Brighton	oisso	bpss	27	41	–	3		0.0
Eastbourne	o	sos	29	37	–	0.2		0.0
Hastings	ocd	os0osm	28	36	–	0.4		0.1
Folkestone	b	bc	28	37	–	–		1.8
Dover	pinbo	oin	29	36	–	–		2.0
Tunbridge Wells	o	os	26	34	–	1		0.0
Ramsgate	bc	bco	31	39	–			1.9
Margate	obcco	o	32	37	–	–		1.7
Deal	bbc	cc	29	34	–	–		2.5

TERMS OF SUBSCRIPTION.—6/6 per quarter or 25/- per year, post free. Single copies may be obtained at the Meteorological Office, price 1d.

* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. § For code see page 3. ‡ See footnote page 1

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.22,676 SUNDAY, 23RD DECEMBER 1923.

Observations at 1300 G.M.T. 22ND — Observations at 1800 G.M.T. 22ND

STATIONS. (For heights see p.4).	1300 Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Low Form	Low Amt. 0-10	Upper Form.	Total Amt. 0-10	State of ground.	1800 Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Low Form	Low Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	999·1 (991·1)	-4	NW	2	o/p	38	97	6	4000	Nb	5	ASt	10	•	990·1	0	WNW	2	cbr₀	37	85	7	4000	CuNb	8	–	8	1
Stornoway	999·0	0	WNW	5	cp₀	43	75	7	4000	Nb	7	–	7	•	992·2	0	WNW	4	bcpr₀	39	85	7	1500	Nb	6	–	6	3
Wick	994·0	-1	NW	4	bcp₀	40	92	8	2500	CuNb	5	–	5	•	993·8	0	NW	4	o	43	75	8	2500	StCu	10	–	10	3
Castlebay	1003·5	0	W	4	op₀	44	97	8	1500	St	9	–	9	•	1002·8	0	NW	3	c-	44	85	8	2500	StCu	7	–	7	3
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•	997·5	•	WNW	2	bc-	38	85	8	4000	Cu	5	–	5	•
Aberdeen	995·6	-1	WNW	5	b/p	41	85	8	2500	CuNb	1	–	1	7	995·3	+2	NW	5	b	37	85	8	2500	StCu	2	–	2	3
Malin Head	1005·5	-2	WNW	6	o/r	47	97	7	1500	St	8	ACu	9	•	1004·6	-1	NW	5	b-	45	85	8	4000	CuNb	2	–	2	5
Renfrew	999·5	0	WNW	5	o+	47	75	8	2500	StCu	3	CiSt	9	2	1000·6	+1	WNW	2	b	41	85	7	–	–	0	Ci	2	•
Edinburgh (Inchkeith)	997·8	0	W	3	o+	46	85	8	•	Cu	7	CiSt	9	•	997·6	+1	WSW	3	bc	42	85	8	•	–	0	Ci	?4	1
Leuchars	997·1	0	NW	2	c	45	75	8	1500	StCu	3	CiCu	7	7	997·5	+1	NW	4	b	39	75	8	4000	StCu	3	–	3	•
Eskdalemuir	998·1	0	NW'W	7	c	45	75	8	1500	StCu	6	CiSt	8	2	1000·1	0	NW'W	5	o-	39	75	8	2500	StCu	3	CiSt	9	•
Tynemouth	997·3	-3	NW	2	bc/r	50	85	6	800	St	2	ACu	6	•	998·2	+2	NW	2	c+	42	85	7	–	–	0	ACu	7	1
Blacksod Point	1012·6	-2	NW'N	6	o	50	92	7	•	•	•	•	10	•	1003·9	-2	WNW	6	mo+	50	92	5	•	•	•	•	10	7
Donaghadee	1005·7	-1	W	3	c-	49	92	8	450	St	7	–	7	•	1005·3	0	W	3	c+	46	85	7	450	St	3	–	8	4
Birr Castle	1012·3	•	W	4	or₀	49	85	6	1500	Nb	10	–	10	•	1009·9	•	W	4	or₀+	50	92	5	1500	Nb	10	–	10	•
Holyhead	1007·1	-1	W'N	7	o	49	92	7	800	Nb	10	–	10	1	1004·8	-2	W'N	6	or₀	49	97	6	800	Nb	10	–	10	6
Liverpool (Bidston)	1003·2	-2	WSW	7	odd₀	46	97	5	1500	Nb	10	–	10	•	1002·8	+2	W	6	o/r	43	97	6	1500	Nb	10	–	10	6
Chester (Shotwick)	1004·1	-2	WN	7	or	49	92	6	800	St	10	–	10	2	1003·7	+1	W	6	orr	46	97	6	800	Nb	10	–	10	•
Spurn Head	997·1	-3	WNW	5	o	43	97	7	4000	StCu	10	–	10	•	997·4	+1	NW	6	o	43	85	7	4000	StCu	10	–	10	5
Birmingham (Edgbaston)	1003·7	-3	WNW	6	o/r	49	85	6	2500	CuNb	10	–	10	2	1002·9	0	WSW	4	o/r	48	75	6	4000	CuNb	10	–	10	•
Nottingham	1000·3	-2	NW	5	b	51	85	6	1500	StCu	10	–	10	•	1000·9	+1	NW	5	c-	48	75	7	–	–	0	CiSt	7	•
Cranwell	1000·4	-2	NW'N	5	o/r	48	92	7	1500	StCu	10	–	10	2	1000·2	0	WNW	5	c	46	85	7	4000	StCu	4	ASt	8	•
Gorleston	998·9	-10	NW'N	2	od₀	36	97	5	2500	St	10	–	10	•	998·6	0	W'N	3	o	41	92	6	–	–	0	ASt	10	1
Valencia (Cahirciveen)	1019·3	-3	W'S	4	.o	50	85	7	1500	St	10	–	10	1	1017·0	-2	W'S	6	o	50	92	6	800	St	10	–	10	6
Roches Point	1015·5	-2	WNW	6	c+	50	85	8	2500	CuNb	8	–	8	•	1013·5	0	WNW	4	o	51	85	8	2500	StCu	10	–	10	3
Pembroke (St. Ann's H.)	1012·0	-1	W	4	o	48	92	8	1500	StCu	10	–	10	•	1009·6	-1	W	4	o	49	92	7	1500	St	10	–	10	4
Ross-on-Wye	1006·8	-3	W'N	4	o	51	75	8	2500	StCu	10	–	10	1	1005·8	0	W'S	3	or	49	85	9	2500	StCu	10	–	10	•
Leafield	1004·0	-2	W	5	odd₀	48	85	8	2500	St	9	–	9	•	1004·2	-2	W	5	o/r	47	92	7	2500	St	9	–	9	•
Andover	1005·1	-3	W'N	6	o	50	85	7	1500	St	10	–	10	1	1005·7	0	W'N	6	odd₀	47	97	6	800	Nb	10	–	10	•
S. Farnborough	1003·8	-4	W	4	o	49	92	8	1500	Cu	9	ASt	10	2	1004·2	0	WNW	5	o	49	85	8	1500	StCu	7	ASt	10	•
London (Kew Obsy.)	1002·6	-4	W	4	o/r	49	85	6	1500	Nb	10	–	10	2	1003·2	+1	W	3	o/r	50	75	6	1500	St	10	–	10	•
Croydon	1003·4	-4	WNW	4	o	48	85	6	800	St	9	ASt	10	2	1003·4	+1	WNW	4	o/r	49	85	6	450	St	10	–	10	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•	999·6 (998)	0	WNW	4	o	48	85	6	2500	Nb	5	ASt	10	1
Shoeburyness	1001·0	-7	NW	4	od₀	47	85	7	450	St	10	–	10	•	1000·[illegible]	0	NW	5	o/r	49	85	7	1500	St	10	–	10	•
Grain	1001·2	-6	WNW	5	or	47	92	4	800	Nb	10	–	10	2	1001·2	0	W'N	5	or₀	48	85	6	1500	Nb	10	–	10	0
Lympne	1001·7	-7	NW'N	3	o	40	97	5	450	St	10	–	10	2	1001·5	+1	NNW	5	o	48	85	5	800	St	8	ASt	9	•
Scilly (St. Mary's)	1017·9	-2	~~WNW~~ NW'W	7	c-	50	92	7	4000	StCu	7	–	7	•	1016·1	-2	WNW	7	c	49	92	7	4000	StCu	4	ACu	7	6
Falmouth (Pendennis)	1016·0	-1	WNW	5	o/r	50	85	8	5700	StCu	10	–	10	•	1014·6	-2	WNW	6	o-	48	85	8	5700	StCu	9	–	9	0
Plymouth (Cattewater)	1013·7	-1	NW	5	o	49	97	7	1500	St	10	–	10	1	1011·1	-1	WNW	5	o	50	92	7	1500	St	10	–	10	1
Portland Bill	1008·5	-2	WNW	6	o	49	92	7	2500	StCu	10	–	10	•	1002·6 (1007·6)	-2	WNW	7	o+	49	85	7	4000	StCu	10	–	10	4
Southampton (Calshot)	1006·1	-4	W	6	op₀	50	85	7	800	Nb	3	ASt	10	•	1006·1	+1	W'N	6	o	49	85	8	1500	StCu	10	–	10	6
Dungeness	1002·2	-5	W	3	o/r	44	97	6	4000	Nb	10	–	10	•	1002·6	+1	WNW	3	o-	49	95	7	2500	Nb	9	–	9	4
Guernsey	1012·6	-4	WNW	8	od₀	50	92	7	800	Nb	10	–	10	•	1012·0	0	NWW	8	o-	49	92	7	2500	Cu	6	ACu	9	7

LONDON OBSERVATIONS.	Height above M.S.L. in feet.	Weather: Morning (24 Hours ended 0900 G.M.T. 23RD)	Weather: Afternoon	Weather: Night	Temperature: Max. °F.	Temperature: Min. °F.	Min. on Grass. °F.	Rainfall mm. Day	Rainfall mm. Night	Sunshine to Sunset, hrs. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)	Visibility 9h.
Kew (24 hours ended 0700)	18	ofr₀d₀m	omd₀m	omorbq	•	•	31	1	1	0·0	•	•	7
Croydon (24 hours ended 0700)	244	or₀r₀m	omr₀	ommq	•	•	37	1	1	0·0	•	•	7
Greenwich (Royal Obsy.)	149	o	odo	odocbd	50	38	31	-	2	0·0	85	73	4
City (Bunhill Row)	80	•	•	•	•	•	•	•	•		•	•	•
Westminster (St. James' Pk.)	27	•	•	•	51	37	33	2·1		0·0			•
Regent's Pk. (Botanic Gdns).	168	•	•	•	•	•	•	•	•	0·0	•	•	•
Camden Square	110			•						•	•		•
Kensington Palace	80	o	o	•	50	36	32	0·2	2	•	(At 18h 80)	72	•
Hampstead Observatory	450	•	•	•	48	36	25	2	–	0·0	•	•	•

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 HR. ended 1600 G.M.T. 22ND

South Kensington			
Max.	Time.	Min.	Time.
–	–	–	–

Kew Observatory			
Max.	Time.	Min.	Time.
–	–	–	–

POLE STAR RECORD at Greenwich Obsy.

Exposure from 22ND ....h......m. to 23RD ....h......m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris			
δ Ursae Minoris			

CODE FOR STATE OF GROUND.
0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain, or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.[1]

Time.	Type.	No. per 1 sec.	Stren.	Direc.
13h.	C	5	-	125°
18h.	C	5	-	120°
01h.	C	5	-	100°
07h.	C	5	-	120°

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.

23RD & 24TH DEC., 1923.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	8·5 8·6	11·52 11·53	3·39 3·40
Greenwich	8·6 8·7	11·59 12·0	3·52 3·53
Wick	9·4 9·5	12·11 12·12	3·18 3·19
Valencia	8·50 8·51	12·40 12·41	4·30 4·31

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, " less than 200 m.
m mist, " 1000—10000 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. r rain. s snow.
rs sleet t thunder.
u ugly, threatening sky.
v unusual visibility. w dew.
x hoar frost. y dry air.
z dust haze; the turbid atmosphere of dry weather.
h(r)="hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity.
R = heavy rain. r₀ = slight rain.
rr = continuous rain.

SYMBOLS.

< = { less than (for cloud height). before (for precipitation).
⊕ = solar halo. ♁ = lunar halo.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions, thus:—b/r = fair weather after rain.
- = "decreasing"; + = "increasing."

The BEAUFORT SCALE of WIND is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers, is the speed at about 30 feet above the ground.

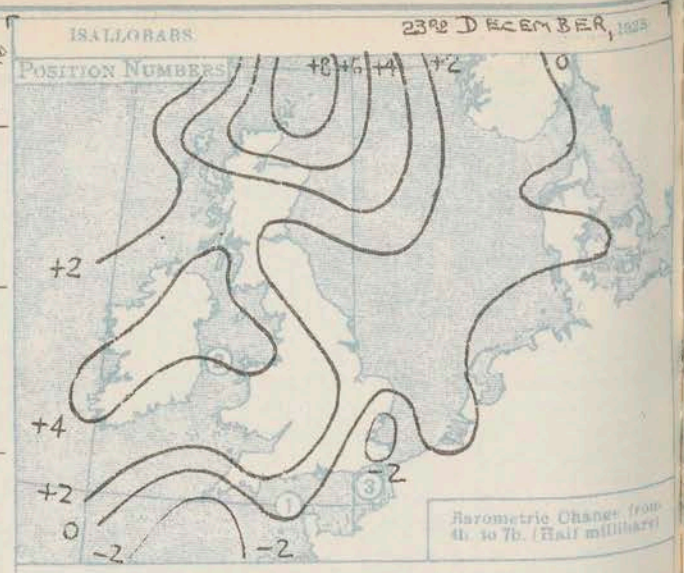
SEA DISTURBANCE.
0=no swell } Calm or slight sea.
1=mod. swell
2=heavy swell
3=no swell } Moderate sea.
4=mod. swell
5=heavy swell
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1- 3
2	4- 7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

[1] For explanation see Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars § For code see page 3

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	Weather. 7h.-13h. 22nd	Weather. 13h.-18h. 22nd	Weather. 18h. 22nd to 1h. 23rd	Weather. 1h.-7h. 23rd	Temperature. Max. Day. 7h.-18h.	Temperature. Min. Night. 18h.-7h.	Temperature. Min. on Grass.	Rainfall.† Day. 7h.-18h. mm.	Rainfall.† Night. 18h.-7h. mm.	Rainfall.† Precipitation began.	Rainfall.† Precipitation began.	Sun. 22nd Hours.
Lerwick	omr	bcp	oq	oq	40	35	.	6	0.4	<0800	0130	0.0
Stornoway	p	p	p	b	45	35	.	1	1	-	-	1.0
Wick	cbcpr	bcpho	oprpr	oprbc	41	35	.	1	2	11.00	<2100	*
Castlebay	opo	opbc	opc	cbc	49	39	.	0.5	1	-	-	0.5
Nairn	cdg	prcbc	bcq	bc	44	35	.	0.6	0.4	12.30	0130	0.0
Aberdeen	rs.ocbd	bopr b	bq pr.	bbcpr q	41	35	31	1	1	<0800	<2100	3.4
Malin Head	omdd	p.co	bcPR	cPR	49	38	.	1	2	<0800	<2100	0.0
Renfrew	or.cq	oq p.b	bb	bb	49	36	32	0.2	Trace	<0800	-	2.2
Edinburgh (Inchkeith)	c	c	b	b	48	37	?	Trace	-	-	-	1.3
Leuchars	ombcc	cobccb	bb	bbq	45	32	24	-	-	-	-	2.1
Eskdalemuir	oiroco	co	ocbcb	b	47	33	30	0.6	-	<0800	-	1.7
Tynemouth	or.m	cm	cbc	bc	50	36	33	1	-	<0800	-	.
Blacksod Point ...	m	r-d	r-d	c	40	39	.	?	2	-	-	.
Donaghadee	oqd	o	cpq	bcq	51	39	.	0.5	1	0900	<2100	.
Birr Castle	o t r.	or. r.	or. r.	bc	50	38	34	0.2	2	<0800	<2100	0.0
Holyhead	i r.o	i Dm	oirbcv	PR	50	43	41	0.5	2	<0800	<2100	0.0
Liverpool (Bidston) ...	domq	or	cpq		47	41	33	2	1	<0800	0430	0.0
Chester (Shotwick) ...	orq	orRq	orbcq	bprbc	51	41	41	3	1	<0800	<2100	0.3
Spurn Head	roq	c	c	bcocb	44	33	.	9	-	<0800	.	0.0
Birmingham (Edgbaston)	or.	od.	orcbc	cbc	50	39	35	0.4	2	<0800	<2100	0.0
Nottingham	omd.p	oo	cb	cr	51	40	35	Trace	2	<0800	0430	0.0
Cranwell	r-d	c	c	b	49	33	30	3	2	<0800	0330	0.0
Gorleston	osd.m	omdom	c	bco	41	35	31	12	-	<0800	-	0.0
Valencia (Cahirciveen)	omo	opo	omomd	oopc	50	42	41	0.1	2	16.30	<2100	0.0
Roches Point	bcc	op.o	r.o	ob	51	44	.	0.1	0.1	16.30	<2100	*
Pembroke (St. Ann's H.)	oo	ob	oor	p	50	44	.	-	2	-	0430	0.0
Ross-on-Wye	oo	oo	ovcop.	cq bq	51	41	36	-	0.1	-	2200	0.0
Leafield	fcodd	rco	or rRc	bcbc	49	40	35	0.4	2	-	<2100	0.0
Andover	omo	od.dm	od.mo	orrbc	51	43	37	Trace	5	16.30	0230	0.1
S. Farnborough ...	moo	oo	oopr.	cpr.	51	40	33	-	1	-	2200	0.0
London (Kew Obsy.) ...	ofrodm	omdom	omorb	bbcbq	51	42	31	1	1	0900	2200	0.0
Croydon	or.r.m	omr.	omrr	oq	50	42	37	1	1	<0800	2200	0.0
Clacton-on-Sea ...	ogsr	ogm	oc	cp	48	38	33	10	Trace	<0800	0630	0.0
Shoeburyness	odmod	ou	cbc	c	50	38	34	5	-	<0800	-	0.0
Grain	orrm	r.or.	or.bc	c	49	37	31	4	Trace	<0800	-	0.0
Lympne	osrfm	ompr	omr	ocbc	48	36	31	6	1	<0800	2200	0.0
Scilly (St. Mary's) ...	bccq	cq	coqp.	opq	50	48	.	-	0.3	-	0130	1.5
Falmouth (Pendennis)	codco	co	comd	comd	51	49	.	Trace	0.3	11.00	2400	0.3
Plymouth (Cattewater)	op	oo	op	orpc	51	45	43	Trace	1	<0800	<2100	0.7
Portland Bill	oo	c	r-d	r-d	50	46	.	-	2	-	2200	.
Southampton (Calshot)	ir.o	p.o	od.oro	c	51	45	41	Trace	0.3	<0800	<2100	0.0
Dungeness	r-d	oo	opr	pr	49	42	.	3	1	<0800	<2100	.
Guernsey	oidsio	cq	co	odqq	50	48	.	Trace	0.5	0800	-	.



Observations from Cross Channel Steamers.

Position	Date and Time	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility
2	21st 1010	SCOTIA	W'N	7	oq	50	40	7
1	21st 1200	IBEX	NW	7	or	[illegible]	50	6
3	23rd 0200	ARUNDEL	WNW	6	R	40	48	7

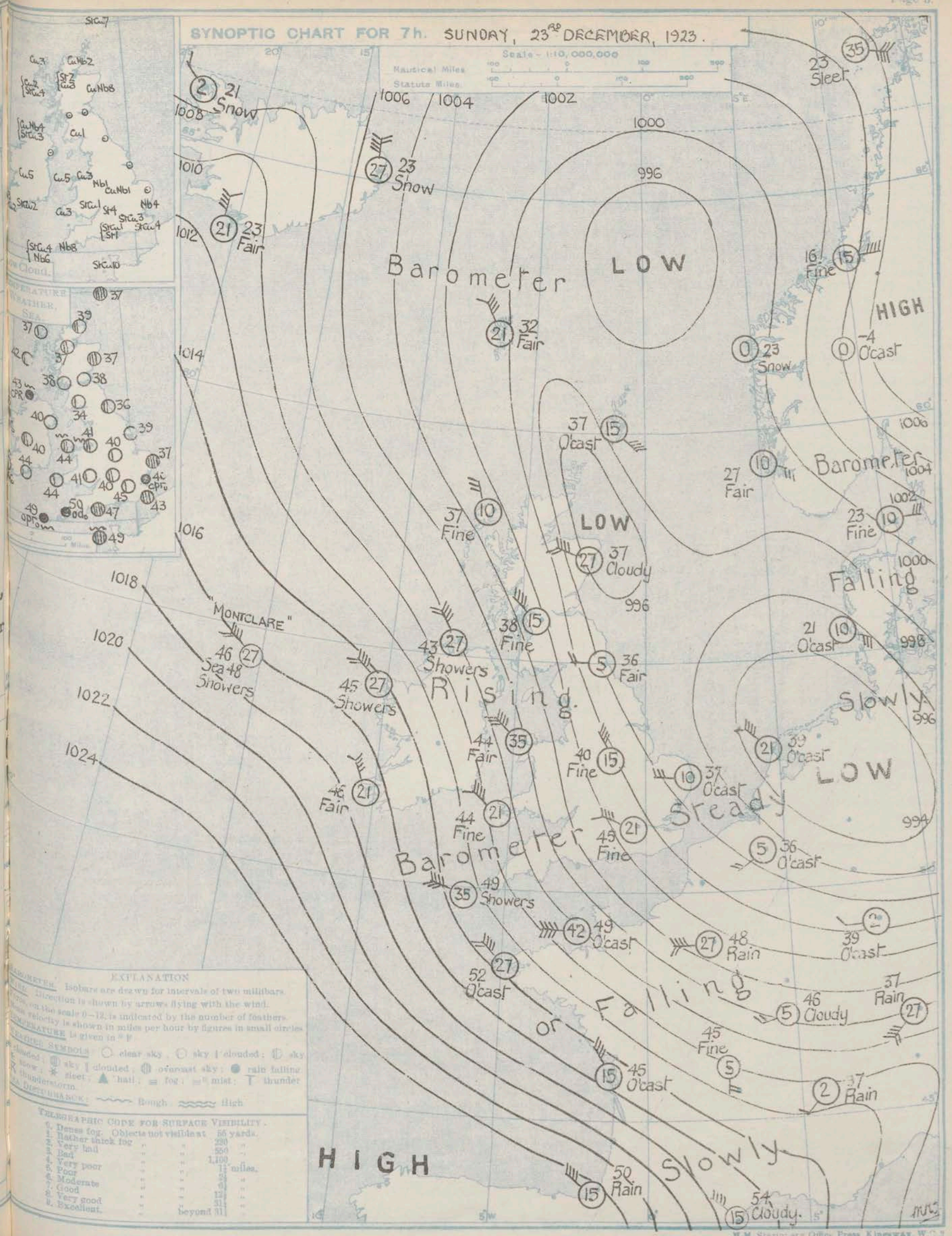
GENERAL INFERENCE.

The depression over the North Sea is growing less deep, and a general pressure rise has set in over the British Isles, except in the South-West, where there are some indications of a shallow irregularity of a secondary character. Winds will continue from W. or N.W. generally, moderate to strong. Over most of the Kingdom weather will be colder again with variable skies and slight local showers.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Sunday, 23rd December, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Wind W. - N.W., moderate or fresh; variable sky, slight local showers; visibility mainly good; colder, frost locally at night.	None issued.
5. S.W. England △ 6. South Wales △	Wind N.W., moderate to strong; variable sky, some showers; visibility moderate to good; rather mildto moderate temperature.	
7. North Wales △ 8. N.W. England △ 9. N. Midlands 10. N.E. England	As 1 - 4.	△ North Cone still flying.
11. E. Scotland 12. S.W. Scotland 13. Isle of Man △ 14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands 17. N.W. Ireland △ 18. N.E. Ireland △	Wind N.W., moderate to fresh, strong locally at times; variable cloud, some showers, perhaps sleet or hail showers locally; rather cold, night frost in places.	
19. S.E. Ireland △ 20. S.W. Ireland △	As 5 - 6.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0920 G.M.T. G. C. SIMPSON, F.R.S., Director.

† For Code see opposite page.



H.M. Stationery Office Press, Kingsway, W.C.2

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION... SUNDAY, 23RD DECEMBER 1923. No. 357...

STATIONS.	Height above M.S.L. in feet.	Observations at 0100 G.M.T... 23RD													Observations at 0700 G.M.T... 23RD													
		Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	54	999.9	+3	ESE	5	0	38	92	7	-	-	0	A.St	10	999.0	+9	SE	4	0	37	85	6	5700	St.Cu	7	A.St	10	3
Stornoway	51	999.7	-1	NW	4	PH	•	•	5	•	•	•	•	•	1002.5	+5	NNW	3	b	37	75	8	4000	Cu	3	-	3	3
Wick	81	999.5	-3	NW	5	0PR	38	97	8	2500	CuNb	7	Ci.St	10	999.6	+8	NW	4	bc+	39	75	8	2500	CuNb	2	A.Cu	4	3
Castlebay	37	•	•	•	•	•	•	•	•	•	•	•	•	•	1005.9	+2	NW	4	bc	42	75	8	2500	St.Cu	6	-	6	4
Nairn	82	•	•	•	•	•	•	•	•	•	•	•	•	•	1000.0	-	WNW	3	bc	37	85	8	1500	Cu	5	-	5	•
Aberdeen	46	•	•	•	•	•	•	•	•	•	•	•	•	•	999.7	+4	WNW	6	c+	37	92	8	1500	CuNb	8	-	8	3
Malin Head	71	1003.6	0	NNW	6	bPR	45	85	8	5700	CuNb	5	-	5	1007.4	+3	NW'N	6	cPR	43	85	8	4000	CuNb	7	-	7	6
Renfrew	38	•	•	•	•	•	•	•	•	•	•	•	•	•	1003.0	+4	NNW	4	b	38	75	9	-	-	0	-	0	•
Edinburgh (Inchkeith)	190	999.2	0	W	3	b	35	85	8	•	-	0	A.Cu	1	999.7	+1	W	4	b	38	75	9	•	-	0	-	0	1
Leuchars	36	•	•	•	•	•	•	•	•	•	•	•	•	•	997.7	+3	NNW	7	b	39	65	8	-	-	0	-	0	•
Eskdalemuir	794	•	•	•	•	•	•	•	•	•	•	•	•	•	1000.7	+2	NNW	7	b	34	75	7	4.000	Cu	1	-	1	•
Tynemouth	118	998.1	-1	W	1	b-	36	85	7	-	-	0	-	0	999.0	0	W	2	bc	36	85	7	-	-	0	A.Cu	4	1
Blacksod Point	10	1008	0	NW	6	o/r	45	85	6	•	•	•	•	10	1014.5	+3	NW	6	ubr	45	75	7	•	•	•	•	10	7
Donaghadee	35	•	•	•	•	•	•	•	•	•	•	•	•	•	1010.9	+5	WNW	4	b-	40	85	8	-	-	0	-	0	4
Birr Castle	175	•	•	•	•	•	•	•	•	•	•	•	•	•	1012.0	•	W	3	bc-	40	92	6	4000	Cu	5	-	5	•
Holyhead	26	1004.1	-1	WNW	5	b	46	85	9	2500	Cu	2	-	2	1006.5	+4	NW'W	7	bc	44	85	8	2500	Cu	5	-	5	7
Liverpool (Bidston)	189	•	•	•	•	•	•	•	•	•	•	•	•	•	1004.9	+5	W'N	5	bc/r	41	85	7	2500	Cu	3	A.Cu	5	•
Chester (Shotwick)	16	•	•	•	•	•	•	•	•	•	•	•	•	•	1004.3	+2	WNW	6	bc	41	85	7	1500	St.	5	-	5	
Spurn Head	26	999.6	0	W'N	4	b-	39	85	7	5700	Cu	2	-	2	999.1	+1	WNW	6	b	39	92	7	-	-	0	-	0	4
Birmingham (Edgbaston)	525	•	•	•	•	•	•	•	•	•	•	•	•	•	1008.3	+1	WNW	5	b-	39	85	6	2500	Cu	1	-	1	•
Nottingham	82	•	•	•	•	•	•	•	•	•	•	•	•	•	1002.0	+3	NNW	4	b-	40	85	8	1500	Nb	1	-	1	•
Cranwell	237	1000.7	0	W	3	b	37	97	6	-	-	0	-	0	1001.0	+1	WNW	3	b/r	35	97	7	2500	CuNb	1	-	1	•
Gorleston	13	999.2	0	NW	4	0+	39	92	6	4000	Cu	9	-	9	999.7	0	W'N	3	0+	37	92	6	-	-	0	A.St	10	0
Valencia (Cahirciveen)	30	1013.9	-4	SW'W	5	0ur	+4	92	6	-	St	10	-	10	1011.2	+5	NNW	5	bc	46	65	8	4000	St	5	-	5	6
Roches Point	32	•	•	•	•	•	•	•	•	•	•	•	•	•	1014.6	+3	NW	4	b	44	85	8	4000	St.Cu	2	-	2	5
Pembroke (St. Ann's H.)	149	1007.5	-2	W	7	or	49	92	6	2500	Nb	10	-	10	1010.4	+3	NW	5	b-	44	75	8	2500	Cu	3	-	3	•
Ross-on-Wye	223	•	•	•	•	•	•	•	•	•	•	•	•	•	1005.5	+3	W'N	5	b	41	75	8	4000	St.Cu	1	-	1	•
Leafield	556	•	•	•	•	•	•	•	•	•	•	•	•	•	1003.6	+3	W	3	bc+	40	75	8	2500	St	4	-	4	
Andover	296	•	•	•	•	•	•	•	•	•	•	•	•	•	1004.3	+1	NW'W	5	b-	43	75	8	4000	St.Cu	2	-	2	•
S. Farnborough	230	•	•	•	•	•	•	•	•	•	•	•	•	•	1003.7	0	NW	5	b	44	92	9	-	-	0	-	0	•
London (Kew Obsy.)	18	•	•	•	•	•	46	•	•	•	•	•	•	•	1002.3	0	WNW	5	b	45	65	7	2500	St.Cu	3	-	3	•
Croydon	244	1003.3	+1	NW'W	3	0	44	85	7	800	Nb	10	-	10	1002.2	-1	NW	3	0-	44	75	8	1500	St.Cu	9	-	9	
Clacton-on-Sea	54	•	•	•	•	•	•	•	•	•	•	•	•	•	999.5	-2	WNW	3	cbr	40	92	7	2500	Nb	4	A.Cu	7	0
Shoeburyness	11	•	•	•	•	•	•	•	•	•	•	•	•	•	1002.2	-1	NW	1	bc	40	85	7	1500	Cu	6	•	6	•
Grain	20	•	•	•	•	•	•	•	•	•	•	•	•	•	1000.6	-1	WNW	4	c+	40	85	6	4000	St.Cu	4	A.Cu	7	0
Lympne	350	1002.0	0	NNW	5	o/r	43	92	6	1500	St	10	-	10	1000.8	-1	NW'N	3	bc	37	92	8	2500	St.Cu	6	-	6	
Scilly (St. Mary's)	131	1014.5	-2	WNW	7	o6	50	97	7	4000	Nb	10	-	10	1013.3	-1	WNW	7	obr	49	97	7	4000	Nb	10	-	10*	6
Falmouth (Pendennis)	200	1012.4	-2	NW'W	5	ouk	50	92	7	4000	Nb	10	-	10	1008.6	-2	NW	6	cd	50	85	7	4000	Nb	8	-	8	0
Plymouth (Cattewater)	82	•	•	•	•	•	•	•	•	•	•	•	•	•														
Portland Bill	19	1006.0	-2	WNW	6	o/r	50	85	7	2500	Nb	10	-	10	1004.3	+2	WNW	6	c/r	47	65	7	4000	St.Cu	8	-	8	4
Southampton (Calshot)	12	1004.8	-1	W'N	5	o/r	50	85	7	1500	St	10	-	10	1004.3	+1	WNW	5	b-	45	85	8	1500	St	2	-	2	3
Dungeness	21	1002.7	0	NW	3	or	45	97	7	4000	Nb	10	-	10	1000.9	-2	W	3	c/r	43	85	8	5700	St.Cu	4	Ci.St	7	4
Guernsey															1005.4	-1	W'N	8	o/r	49	97	4	1500	St.Cu	10	-	10	7

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR... 22ND DECEMBER.

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 21st-22nd °F.	Temperature. Max. Day. 22nd °F.	Rainfall.† Night 17h.-9h. 21st-22nd mm.	Rainfall.† Day 9h.-17h. 22nd mm.	Sunshine.	Sunshine. Sunrise to Sunset. 22nd hr.
Montrose	cbc	bcb	31	45	9	-		1.6
Berwick-on-Tweed	SRc	bscv	32	49	12	0.1		2.3
Llandudno	od	odo	44	49	3	0.5		0.0
Colwyn Bay	b	r	44	50	7	4		0.0
Rhyl	ro	or	?	49	3	2		?
Southport	r	o	34	46	5	8		0.0
Blackpool	oro	bc	34	47	5	1		0.0
Ilkley	odbc	bcbo	30	50	4	-		0.4
Harrogate	oco	o	30	48	6	-		0.5
Skegness	sro	ocs	31	48	10	0.6		0.1
Aberystwyth	roc	o	44	48	2	-		0.0
Bath	goc	og	35	52	1	-		0.2
Leamington Spa	o	o	31	51	5	-		0.0
Lowestoft	osr	oir	30	40	7	5		0.0
Felixstowe	omr	dog	30	47	1	3		0.0
Southend	rm	cd	29	50	5	8		0.0
Ilfracombe	o	o	47	49	-	-1		0.0
Bude	o	oc	40	51	1	0.4		0.0
Torquay	cobc	cobc	43	53	0.2	-		1.8
Weymouth	bcc	co	44	50	0.2	-		0.0
Bournemouth	o	o	36	51	1	-		0.0
Portsmouth (S'thsea)	o	o	34	51	3	-		0.1
Littlehampton	om	ocm	33	50	2	-		0.0
Worthing	mo	o	33	51	2	-		0.0
Brighton	ob	ob	33	?	3	1		0.0
Eastbourne	ro	o	32	51	2	0.5		0.0
Hastings	of-do	od.o	31	48	2	1		0.0
Folkestone	s	rro	27	36	7	4		0.0
Dover	mord	doc	31	51	3	4		0.0
Tunbridge Wells	orom	o	30	50	3	0.5		0.0
Ramsgate	or	ro	31	42	3	5		0.0
Margate	or	o	31	46	1	6		0.0
Deal	so	rso	29	49	3	7		0.0

TERMS OF SUBSCRIPTION.—6/6 per quarter or 25/- per year, post free. Single copies may be obtained at the Meteorological Office, price 1d.

* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. § For code see page 3. ‡ See footnote page 1

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B. 22677 MONDAY, 24TH DECEMBER 1923.

Observations at 1300 G.M.T. 23RD

STATIONS. (For heights see p.4).	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0–12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0–9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0–10	Cloud Upper Form.	Cloud Total Amt. 0–10	State of ground.
Lerwick	1000·9	+2	S	2	ops₀	38	75	6	4000	Nb	6	a-St	10	•
Stornoway	1006·0	*	-	0	o	38	85	8	5700	St	9	-	9	•
Wick	1001·9	+4	NW	3	cPH	34	97	8	1500	CuNb	8	-	8	•
Castlebay	1009·1	+1	NW	3	bc+	42	75	8	1500	Nb	6	-	6	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	1002·0	+7	WNW	6	b	38	85	8	1500	CuNb	2	-	2	9
Malin Head	1011·1	+4	NW	6	cPRS	40	97	8	4000	CuNb	7	-	7	•
Renfrew	1007·2	+6	WNW	3	b	41	65	9	5700	StCu	1	-	1	1
Edinburgh (Inchkeith)	1004·7	+7	NNW	3	b	41	65	9	•	-	0	a.Cu	2	•
Leuchars	1003·4	+5	NW	6	b	39	65	8	4000	StCu	1	-	1	3
Eskdalemuir	1005·8	+4	NW	6	b	37	65	7	4000	Cu	1	-	1	2
Tynemouth	1003·0	+6	WNW	2	b	39	75	6	2500	St	2	-	2	•
Blacksod Point	1017·6	+1	NNW	4	o	45	75	7	•	•	•	•	10	•
Donaghadee	1010·7	+2	WNW	3	bc+	43	85	8	800	Cu	4	-	4	•
Birr Castle	1005·9	*	W	2	c+	43	85	7	4000	Cu	7	-	7	•
Holyhead	1011·4	+3	W'N	6	bc	44	85	8	2500	Cu	6	•	6	1
Liverpool (Bidston)	1008·4	+2	W'N	5	b/r	42	85	7	2500	Cu	2	a.Cu	3	•
Chester (Shotwick)	1008·5	+4	WNW	7	b	43	85	7	2500	StCu	1	-	1	2
Spurn Head	1001·4	+3	WNW	7	bc	39	85	7	-	-	0	a.Cu	5	•
Birmingham (Edgbaston)	1008·3	+4	NW	5	c+	42	85	6	2500	Cu	8	-	8	2
Nottingham	1005·4	+3	NW	5	b	43	75	6	2500	Cu	1	-	1	•
Cranwell	1005·3	+3	NW	5	b	41	75	7	-	-	0	-	0	1
Gorleston	1002·2	+3	NW	4	bc	39	75	6	-	-	0	a.Cu	4	•
Valencia (Cahirciveen)	1020·3	+2	NW	4	c	48	75	8	4000	StCu	7	-	7	1
Roches Point	1018·3	+3	NW	3	c+	45	85	8	4000	StCu	7	-	7	•
Pembroke (St. Ann's H.)	1014·6	+3	WNW	5	bc	44	75	8	4000	StCu	6	-	6	•
Ross-on-Wye	1010·0	+3	NW	4	b	44	65	8	4000	Cu	3	-	3	0
Leafield														
Andover	1009·0	+3	NW	6	bc+	45	65	9	2500	Cu	6	-	6	1
S. Farnborough	1008·3	+4	NW	7	bc+	44	75	9	1500	Cu	4	-	4	1
London (Kew Obsy.)	1007·4	+4	NW	4	b	44	65	6	2500	Cu	1	-	1	1
Croydon	1007·3	+4	NW	5	bc-	43	65	6	2500	Cu	5	-	5	2
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	1004·9	+4	NW	5	b	43	75	7	2500	Cu	1	-	1	•
Grain	1005·5	+4	NW	6	b-	43	75	8	2500	St	2	-	2	2
Lympne	1005·3	+4	NNW	6	bc	42	75	8	2500	Cu	5	-	5	2
Scilly (St. Mary's)	1017·9	+2	NW	6	bc-	48	75	8	4000	Cu	3	a.Cu	4	•
Falmouth (Pendennis)	1015·9	+6	NW	5	bc/r	47	65	8	5700	Cu	6	-	6	•
Plymouth (Cattewater)	1014·5	+5	N	5	bc+	46	85	8	2500	StCu	6	•	6	1
Portland Bill	1011·7	+6	NW	6	c	47	65	7	4000	Cu	8	•	8	•
Southampton (Calshot)	1009·5	+4	NW	6	br	46	75	7	4000	Cu	3	•	3	0
Dungeness	1005·3	+4	NW	4	b-	43	75	8	4000	Cu	3	-	3	•
Guernsey	1014·0	+3	NW	5	bc-	47	75	8	4000	Cu	5	-	5	•

Observations at 1800 G.M.T. 23RD

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0–12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0–9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0–10	Cloud Upper Form.	Cloud Total Amt. 0–10	Sea. 0–9
Lerwick	1000·2	-1	NW	2	cps₀	34	97	6	4000	CuNb	6	a.St	8	1
Stornoway	1006·9	*	NW	6	cpr₀	37	75	7	4000	CuNb	7	-	7	5
Wick	1002·7	+1	W	3	cPS	32	97	8	1500	CuNb	7	-	7	1
Castlebay	1010·1	+2	NW	4	o/s(h)	40	75	8	1500	St	10	-	10	4
Nairn	1005·8	•	-	0	c+	35	85	8	1500	CuNb	7	-	7	•
Aberdeen	1005·3	+4	WSW	2	b	34	85	7	-	-	0	-	0	0
Malin Head	1012·5	+2	NW'N	5	cPRS	42	92	8	4000	CuNb	7	-	7	6
Renfrew	1009·2	+2	WNW	3	b+	35	92	7	5700	StCu	2	-	2	•
Edinburgh (Inchkeith)	1007·5	+3	WSW	3	b	38	65	7	•	-	0	a.Cu	1	1
Leuchars	1006·8	+3	NW	4	b	34	75	8	-	-	0	-	0	•
Eskdalemuir	1009·3	+3	NW	4	b	32	75	7	-	-	0	-	0	•
Tynemouth	1007·4	+6	NW'W	2	b	36	75	6	-	-	0	-	0	2
Blacksod Point	1017·8	0	NW	4	o	45	75	7	•	•	•	•	10	4
Donaghadee	1013·1	+2	W	3	o+	41	85	8	450	St	10	-	10	4
Birr Castle	1017·9	•	W	2	c+	40	85	6	4000	StCu	8	-	8	•
Holyhead	1013·7	+2	W'N	5	cph₀	44	85	8	2500	Cu	8	-	8	6
Liverpool (Bidston)	1012·0	+3	W	5	c	40	85	7	2500	Cu	8	-	8	6
Chester (Shotwick)	1011·8	~~+6~~ +2	WNW	6	bcr₀	39	85	7	800	Nb	5	-	5	•
Spurn Head	1006·1	+6	WNW	6	b-	38	85	7	-	-	0	a.Cu	2	6
Birmingham (Edgbaston)	1011·8	+5	W	5	bc	38	92	6	-	-	0	a.St	4	•
Nottingham	1010·2	+7	NW	4	b	40	75	6	-	-	0	-	0	•
Cranwell	1009·2	+8	NW	4	b	36	85	7	-	-	0	-	0	•
Gorleston	1005·7	+3	NWW	4	o+	37	92	7	4000	Cu	9	-	9	1
Valencia (Cahirciveen)	1021·6	+2	WNW	3	c	47	75	8	4000	StCu	5	a.St	7	4
Roches Point	1020·2	+3	NW	3	o	44	92	8	2500	StCu	9	-	9	0
Pembroke (St. Ann's H.)	1016·7	+3	WNW	4	bc	45	75	8	4000	StCu	6	-	6	5
Ross-on-Wye	1013·0	+3	WNW	3	b	41	75	8	-	-	0	Ci	1	•
Leafield	1011·7	+6	NW	5	bc-	37	85	8	-	-	0	a.Cu	4	•
Andover	1013·2	+3	W'N	4	b-	38	85	8	4000	StCu	1	A.Sr	2	4
S. Farnborough	1011·9	+4	WNW	3	b-	41	85	8	1500	Cu	2	Ci	3	•
London (Kew Obsy.)	1011·6	+5	W'N	3	b	41	65	6	2500	StCu	1	a.St	2	•
Croydon	1011·6	+4	WNW	4	b-	40	75	6	-	-	0	-	0	•
Clacton-on-Sea	1007·9	+5	NW	3	b-	39	85	7	-	-	0	-	0	0
Shoeburyness	1009·3	+6	NW	3	b	39	85	8	-	-	0	-	0	•
Grain	1010·0	+5	W	5	b-	38	85	7	-	-	0	-	0	0
Lympne	1009·8	+5	NW	4	b	38	75	6	2500	Cu	1	-	1	•
Scilly (St. Mary's)	1020·2	+3	NW	5	c+	47	85	8	4000	StCu	7	-	7	6
Falmouth (Pendennis)	1019·8	+3	WNW	5	bc+	45	75	8	4000	Cu	5	-	5	0
Plymouth (Cattewater)	1017·8	+5	NNW	3	bc-	45	85	8	2500	StCu	6	-	6	0
Portland Bill	1015·2	+5	NW	6	bc/r	45	75	7	4000	CuNb	6	-	6	4
Southampton (Calshot)	1013·7	+6	W	5	b-	41	85	8	4000	Cu	2	-	2	3
Dungeness	1009·8	+6	NW	4	b	39	75	8	-	-	0	-	0	4
Guernsey	1017·5	+4	NNW	5	c-	45	75	8	4000	Cu	3	a.Cu	7	4

LONDON OBSERVATIONS.	Height above M.S.L. in feet.	Weather Morning	Weather Afternoon	Weather Night	Temp. Max. °F.	Temp. Min. °F.	Min. on Grass °F.	Rainfall Day mm.	Rainfall Night mm.	Sunshine to Sunset, hrs.	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)	Visibility 9h.
		24 HOURS ENDED 0900 G.M.T. 24TH											
Kew (24 hours ended 0700)	18	bbmqb	bmb	bcb.oq	•	•	30	tra	tra	5·7	•	•	6
Croydon (24 hours ended 0700)	244	ocqz	bcbzq	bqbcoq	•	•	30	-	tra	4·2	•	•	6
Greenwich (Royal Obsy.)	149	cb	b	bbcor	43	36	28	-	!	3·9	64	94	3
City (Bunhill Row)	80	•	•	•	•	•	•	•	•		•	•	•
Westminster (St. James' Pk.)	27	•	•	•	45	35	24 (27)		!	3·6	73	92	•
Regent's Pk. (Botanic Gdns.)	168	•	•	•	•	•	•	•	•	4·5	•	•	•
Camden Square	110	bc	cbc	•	44	35	29	-	!	•	•	93	•
Kensington Palace	80	bbc	b	•	44	37	29	-	0·7	•	(At 18h	?	•
Hampstead Observatory	450	•	•	•	42	34	22	-	0·5		70)	97	•

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 1800 G.M.T. 23RD

South Kensington Max.	Time.	Min.	Time.
-	-	-	-
-	-		

Kew Observatory Max.	Time.	Min.	Time.
-	-	-	-
-	-		

POLE STAR RECORD at Greenwich Obsy.

Exposure from 23RD 17 h. 00 m. to 24TH 07 h. 00 m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	14.0	10.0	71
δ Ursae Minoris	14.0	09.50	70

CODE FOR STATE OF GROUND.
0 = Dry ground.
1 = Wet ground.
2 = Soft (muddy) wet ground.
3 = Bare ground frozen (but less than 2 ins. deep).
4 = Bare ground frozen (but more than 2 ins. deep).
5 = Dew (or wet grass but not wet ground).
6 = Hoar frost, to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7 = Snow (thin layer, often not continuous).
8 = Snow (deep, impeding traffic, mainly a continuous layer).
9 = Glazed roads, i.e. on roads from frozen rain or melted snow.

RADIO DISTURBANCES (Atmospherics) AT CROYDON.[1]

Time.	Type.	No. per 4 sec.	Stren.	Direc.
13h.	C	6	-	150°
18h.	C	6	-	35°
01h.	C	5	-	60°
07h.	C	5	-	120°

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.

24TH & 25TH DEC., 1923.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	8.6	11.53	3.40
	8.6	11.53	3.41
Greenwich	8.7	12.0	3.53
	8.7	12.0	3.53
Wick	9.5	12.12	3.19
	9.5	12.12	3.19
Valencia	8.51	12.41	4.31
	8.51	12.41	4.32

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, „ less than 200 m.
m mist, „ 1000—10000 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. r rain. s snow.
rs sleet. t thunder.
u ugly, threatening sky.
v unusual visibility. w dew.
x hoar frost. y dry air.
z dust haze; the turbid atmosphere of dry weather.
h(r) = "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity.
R = heavy rain. r_0 = slight rain.
rr = continuous rain.

SYMBOLS.

< = less than (for cloud height); before (for precipitation).
⊕ = solar halo. ⋓ = lunar halo.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions, thus:—bc/r = fair weather after rain; – = "decreasing"; + = "increasing."

The BEAUFORT SCALE of WIND is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.

SEA DISTURBANCE.
0 = no swell } Calm or slight sea.
1 = mod. swell
2 = heavy swell
3 = no swell } Moderate sea.
4 = mod. swell
5 = heavy swell
6 = rather rough sea.
7 = rough sea.
8 = very rough sea.
9 = mountainous sea.

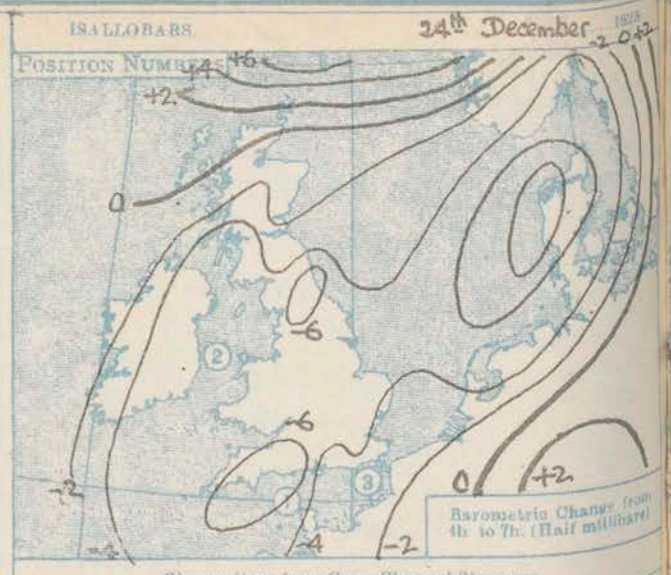
Beaufort No.	Statute miles per hour.
0	Less than 1
1	1–3
2	4–7
3	8–12
4	13–18
5	19–24
6	25–31
7	32–38
8	39–46
9	47–54
10	55–63
11	64–75
12	Above 75

[1] For explanation see Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For [illegible] see page 3

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 23rd	13h.-18h. 23rd	18h. 23rd to 18h. 24th	18h.-7h. 24th	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS.	RAINFALL.† Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began	SUN. 23rd Hours.
Lerwick	ophs	ops	opsh	cps	38	32	.	2	0.4	1330	<2100	0.0
Stornoway	c	bcpq	p	bphq	39	33	.	1	4	-	-	1.1
Wick	PRHS	cprhs	psoss	ossb	39	30	.	5	8	0900	<2100	.
Castlebay	bchbc	bchop	opbco	ocb	42	37	.	2	1	-	-	1.8
Nairn	bc	bccq	cspq	cq	38	31	.	-	3	-	<2100	1.4
Aberdeen	pbcq	bqb	bbcb	bbc	38	32	26	Trace	-	<0800	-	4.3
Malin Head	CPRS	CPRS	pnr.c	co	45	40		2	0.4	<0800	<2100	0.6
Renfrew	bq	bbcb	bcops	opr	41	33	25	-	0.6	-	0330	6.0
Edinburgh (Inchkeith)	b	b	bbc	oo	41	35	.	-	-	-	-	4.2
Leuchars	bqbq	bb	bbcc	cor.ss	40	29	23	-	0.2	-	-	6.3
Eskdalemuir	b	b	bcc	opso	38	29	21	-	0.1	-	0330	6.1
Tynemouth	bcm	bm	bm	bbcmq	40	35	30	-	-	-	-	.
Blacksod Point	p	o	oo	p	46	40	.	1	4	-	-	.
Donaghadee	bc	cp	c	b	43	38	.	0.1	0.1	1230	<2100	.
Birr Castle	co	co	co	orro	44	39	34	-	7	-	0330	1.8
Holyhead	bccbc	bccph	op.ro	or.s	44	41	39	0.3	3	1530	<2100	2.0
Liverpool (Bidston)	bcp	bco	r-d		43	37	33	Trace	2	<0800	<2100	2.6
Chester (Shotwick)	bcprq	borrbr	oRepr q	bccor.sm	43	37	33	2	4	1100	<2100	3.5
Spurn Head	c	c	bbc	bbcoo	40	34		-	-	-	-	5.2
Birmingham (Edgbaston)	bbcc	bcr.bc	or.	or.	42	36	32	Trace	0.3	1330	<2100	3.6
Nottingham	b-bc	b-bc	b	cp.	43	35	29	-	0.3	-	0230	5.0
Cranwell	b-bc	b-bc	bxbc	od.r.m	41	32	27	-	trace	-	0630	6.3
Gorleston	ocbc	bccq	bx	bcgox	40	29	27	-	-	-	-	5.0
Valencia (Cahirciveen)	bcc	coc	coodo	ooram	48	46	43	Trace	2	-	0230	2.1
Roches Point	bcp.c	ocp.o	oc	cor.o	46	43	.	0.1	0.4	0900	0130	.
Pembroke (St. Ann's H.)	c	c	c	orr	50	43	.	-	4	-	0330	3.3
Ross-on-Wye	bbc	bbcb	bbco	oo	45	39	32	-	trace	-	0630	6.2
Leafield	corco	bc	bcc	cadr.s.	42	35	31	0.2	0.3	1330	0530	4.9
Andover	b	bccbc	bbc	bccorr	45	33	23	-	1	-	0530	6.2
S. Farnborough	bbc	bccc bc	bbccx	cor.	44	35	27	-	0.3	-	0630	5.8
London (Kew Obsy.)	bbmqbm	bmb	bbcb	boob	45	37	30	Trace	trace	-	0630	5.7
Croydon	ocqz	bcbzq	bqzm	bcor.	45	35	30	-	trace	-	0630	4.2
Clacton-on-Sea	xpkrbc	bcb	b	bxco	42	33	29	2	-	0900	-	5.2
Shoeburyness	pbc	b	b	om	44	34	30	0.1	-	<0800	-	5.7
Grain	cbb	bb	bbx	bo	43	31	24	-	-	-	-	6.3
Lympne	bcq	bcbm	bmx	bomx	42	32	29	-	trace	-	-	6.2
Scilly (St. Mary's)	cbcq	bcq	coq	omdq	50	46	.	0.5	0.4	<0800	0230	4.8
Falmouth (Pendennis)	codbc	bcpr	bcco	coqmr	50	44	.	0.2	2	0900	0230	3.0
Plymouth (Cattewater)	bbcq	borb	co	ord	48	43	42	Trace	2	<0800	<2100	6.4
Portland Bill	c	p	bbc	c	47	44	.	0.2	0.6	1330	0530	.
Southampton (Calshot)	b	b-bc	bbcc	corm	46	38	35	-	1	-	0530	7.0
Dungeness	c	b-bc	bbc	bbc	43	35		-	-	-	-	
Guernsey	od.cbc	bcc	bccdm	pidido	50	43	.	0.3	1	0900	2200	.

ISALLOBARS. 24th December 1923



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Attitude.
2	23rd 1000	Scotia	NNW	7	b	44	48	S
3	24th 0200	Brighton	NW	6	c	45	48	S

GENERAL INFERENCE.

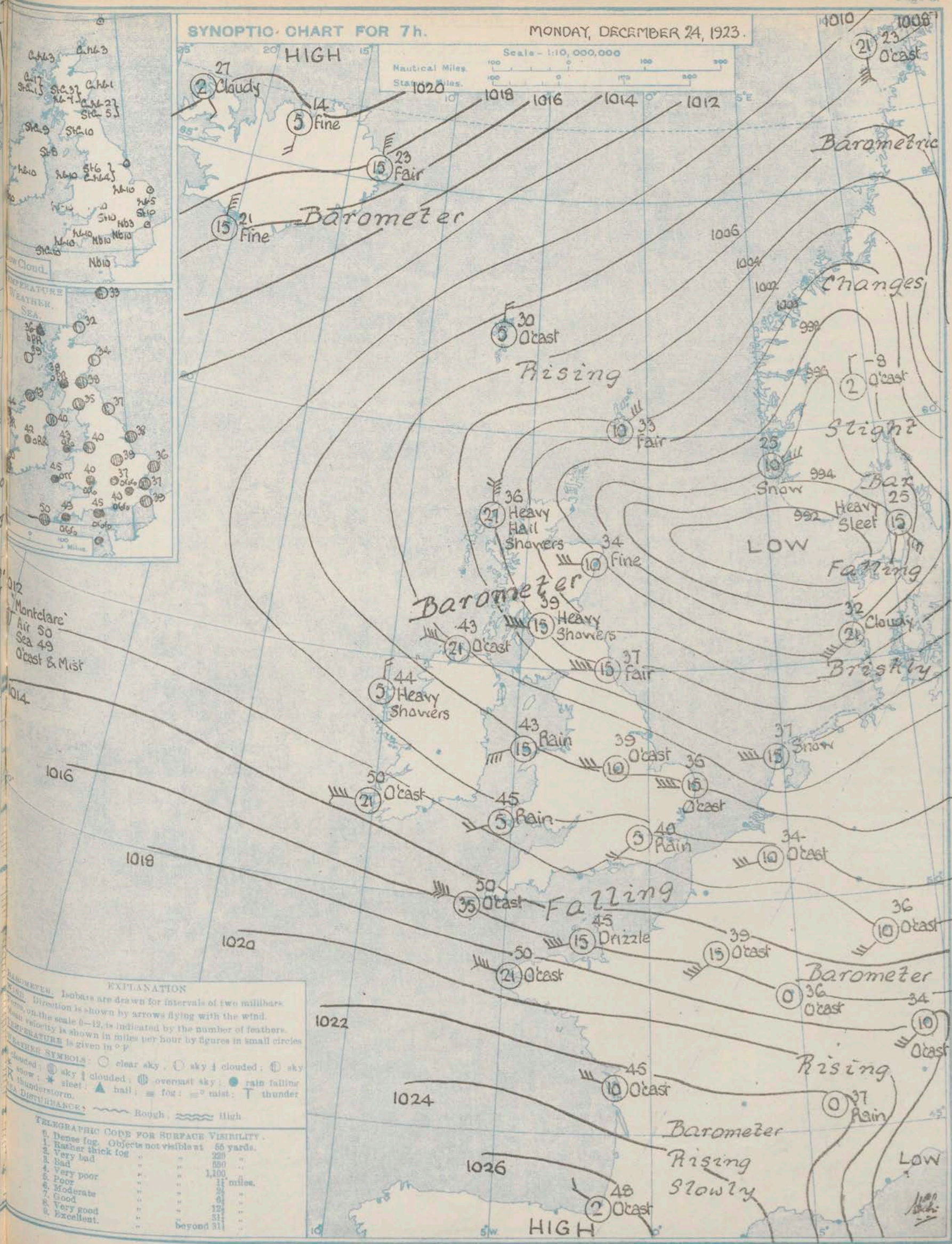
A depression over the North Sea is moving East-South-East and another depression is indicated to westward over the Atlantic. In the North, winds will be northerly at first with variable skies, occasional rain or snow and a rather low to moderate temperature. In the South, winds will be mainly from a westerly point with a good deal of cloud, some rain and probably a rising temperature.

Districts.	Forecasts for the 24 hours commencing 15 h. G.M.T. Monday, 24th December, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Wind Westerly, fresh or strong; a good deal of cloud, some rain; visibility poor or moderate; milder.	None issued. ---------
11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Wind North or Northwest, backing Southwest or South, light or moderate to fresh or strong; variable cloud, local snow showers at first, dull with snow or rain later; visibility poor or moderate; rather low to moderate temperature.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	As 1 to 10.	

MAG

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0955 GMT. G. C. SIMPSON, F.R.S., Director.

† For Code see opposite page.



H.M. Stationery Office Press, Kingsway, W.C.2

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

 BRITISH SECTION. MONDAY, 24TH DECEMBER 1923. No. 358.

Observations at 0100 G.M.T. 24th

Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather	Temp. °F.	Humidity %	Visibility.§ 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Upper Form	Total Amt. 0-10
Lerwick	54	9984	-1	NW	1	OPSH (ope struck out)	37	92	6	4000	CuNb	10	-	10
Stornoway	51	10040	-5	NW	3	PH	•	•	5	•	•	•	•	•
Wick	81	9999	-3	W	2	oss	33	97	7	1500	Nb	10	-	10
Castlebay	37	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	46	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	71	1007	-3	WNW	4	o	43	85	8	5700	Nb	3	ASt	9
Renfrew	38	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	190	10068	0	W	4	bc+	38	65	8	•	-	0	CiSt	5
Leuchars	36	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	794	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	118	10078	-1	W	2	bc	35	85	7	-	-	0	AC	4
Blacksod Point	10	1014.5	-3	W'N	4	opr₀	44	85	6	•	•	•	•	10
Donaghadee	35	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	175	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	26	1013.4	-1	W (SW struck out)	6	o	44	85	8	4000	StCu	8	AC	10
Liverpool (Bidston)	180	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick)	16	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	26	10083	+2	W	5	b	35	97	6	-	-	0	-	0
Birmingham (Edgbaston)	525	•	•	•	•	•	•	•	•	•	•	•	•	•
Nottingham	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	237	1011.1	+1	W'N	4	o	34	97	6	5700	StCu	8	AC	9
Gorleston	13	10098	+2	NW'W	4	b+	34	85	7	-	-	0	Ci	2
Valencia (Cahirciveen)	30	10166	-6	WSW	5	od-	45	92	6	×	St	10	-	10
Roches Point	32	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	149	10175	0	NW	3	c	45	75	8	4000	StCu	7	-	7
Ross-on-Wye	223	•	•	•	•	•	•	•	•	•	•	•	•	•
Leafield	556	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	295	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough	250	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.)	18	•	•	•	•	•	38	•	•	•	•	•	•	•
Croydon	244	10139	+1	W	3	bc+	36	85	7	-	-	0	Ci	5
Clacton-on-Sea	54	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	11	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	20	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	350	10132	+2	NW'W	4	b	33	92	6	-	-	0	-	0
Scilly (St. Mary's)	131	1021.2	0	WNW	5	o	48	85	8	4000	StCu	10	-	10
Falmouth (Pendennis)	206	1020.1	0	WNW	4	o	45	75	8	4000	StCu	10	-	10
Plymouth (Cattewater)	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	19	1016.5	+1	NW	6	bc	45	75	7	-	-	0	AC	5
Southampton (Calshot)	12	1015.6	+1	N'S	4	c+	39	92	8	-	-	0	AC	7
Dungeness	21	1013.1	+2	WNW	3	b	34	97	8	-	-	0	AC	2
Guernsey	...													

Observations at 0700 G.M.T. 24th

Stations	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather	Temp. °F.	Humidity %	Visibility.§ 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Upper Form	Total Amt. 0-10	Sea 0-9
Lerwick	10026	+8	NE	3	bc/s(h)	33	75	7	-	-	0	AC	5	2
Stornoway	10024	?	N	6	bPH	36	85	7	4000	CuNb	3	-	3	5
Wick	9976	-2	NW	2	b	32	97	8	2500	CuNb	3	-	3	0
Castlebay	10055	0	NNW	4	b	39	65	8	4000	Cu	2	-	2	4
Nairn	9995	•	-	0	c/s(h)	33	85	8	1500	CuNb	7	-	7	•
Aberdeen	9989	-2	W	3	b	34	85	7	2500	CuNb	1	-	1	0
Malin Head	10055	-4	WNW	5	o	43	85	8	5700	StCu	9	-	9	4
Renfrew	10016	-5	W	4	OPR-	39	85	6	2500	Nb	10	-	10	•
Edinburgh (Inchkeith)	9999	-4	W	4	bc-	38	85	8	•	StCu	4	-	5	2
Leuchars	9997	-2	NW	4	os	35	85	7	2500	Nb	10	-	10	•
Eskdalemuir	10029	-4	WSW	4	o	35	85	7	1500	StCu	10	-	10	•
Tynemouth	10019	-6	W	4	bc	37	65	6	800	St	3	AC	6	•
Blacksod Point	10096	-2	N	2	oPR	44	92	6	•	•	•	•	10	4
Donaghadee	10067	-3	N	2	c-	40	92	8	800	St	8	-	8	2
Birr Castle	10097	•	N	1	oRR	42	97	3	2500	Nb	10	-	10	•
Holyhead	10083	-4	WSW	4	or₀	43	92	7	1500	Nb	10	-	10	3
Liverpool (Bidston)	10068	-3	N'S	5	o/r	40	97	7	1500	St	10	-	10	5
Chester (Shotwick)	10078	-5	N	3	or₀	39	92	5	1500	Nb	10	-	10	•
Spurn Head	10048	-4	WSW	5	o	38	92	7	-	-	0	ASt	10	4
Birmingham (Edgbaston)	10092	-4	SSW	4	opr₀	38	92	5	1500	Nb	10	-	10	•
Nottingham	10069	-5	W	3	o	39	85	5	1500	Nb	10	-	10	•
Cranwell	10076	-4	WSW	3	or₀	35	97	6	1500	Nb	10	-	10	•
Gorleston	10079	-1	W	4	o+	36	92	7	-	-	0	ASt	10	0
Valencia (Cahirciveen)	10137	-3	W	5	o/r	50	97	6	<150	St	10	-	10	6
Roches Point	10114	-5	WNW	3	o	50	85	8	2500	StCu	10	-	10	0
Pembroke (St. Ann's H.)	10105	-5	WSW	2	orr	45	97	6	1500	Nb	10	-	10	3
Ross-on-Wye	10099	-4	SW	2	or₀	40	85	7	2500	Nb	10	-	10	•
Leafield	10103	-4	SW	2	orr₀	37	92	6	1500	St	10	-	10	•
Andover	10116	-4	SW	3	orr	38	97	7	800	Nb	10	-	10	•
S. Farnborough	1010.8	-4	SW	2	or₀	38	97	5	800	Nb	10	-	10	•
London (Kew Obsy.)	10108	-4	SW	2	orr₀	40	85	7	1500	Nb	3	ASt	10	•
Croydon	10109	-3	WSW	4	or₀	39	85	7	800	St	10	-	10	•
Clacton-on-Sea	10091	-3	WNW	3	o	37	92	6	4000	Nb	5	ASt	10	0
Shoeburyness	10093	-2	W	4	mmo	38	85	5	2500	St	10	-	10	0
Grain	10100	-3	WSW	4	o+	39	85	7	-	-	0	ASt	10	
Lympne	10105	-3	W'W	3	o	36	85	6	-	-	0	ASt	10	
Scilly (St. Mary's)	10159	-5	W'W	7	o	50	97	6	4000	StCu	10	-	10	6
Falmouth (Pendennis)	10132	-6	WSW	6	orr₀	49	97	6	2500	Nb	10	-	10	1
Plymouth (Cattewater)	10126	-6	-	0	od-	45	97	7	1500	Nb	10	-	10	0
Portland Bill	10114	-6	W	5	orr₀	45	92	7	2500	Nb	10	-	10	4
Southampton (Calshot)	10124	-3	WSW	3	orr	40	97	6	800	Nb	10	-	10	0
Dungeness	10109	-2	WSW	4	o+	39	92	7	-	-	0	ASt	10	4
Guernsey	10155	-4	W'S	4	odd₀	45	97	6	1500	Nb	10	-	10	1

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 23RD DECEMBER

Stations	Weather Forenoon	Weather Afternoon	Temperature Min. Night 22nd-23rd °F.	Temperature Max. Day 23rd °F.	Rainfall† Night 17h-9h 22nd-23rd mm.	Rainfall† Day 9h-17h 23rd mm.	Sunshine	Sunshine Sunrise to Sunset 23rd hr.
Montrose	bcb	b	35	39	-	-		5.6
Berwick-on-Tweed	b	b	33	49	-	-		5.7
Llandudno	cb	c	42	44	3	0.1		1.2
Colwyn Bay	c	c	39	43	5	-		0.5
Rhyl	rcbc	crco	41	44	5	4		0.6
Southport	bbcb	bbccb	40	43	2	-		4.8
Blackpool	bc	bc	40	43	1	-		5.4
Ilkley	b	b	34	42	4	-		3.8
Harrogate	b	b	35	44	1	-		5.9
Skegness	bbc	bcb	34	41	-	-		5.8
Aberystwyth	roc	o	42	44	3	-		2.0
Bath	bbc	bbc	42	46	3	-		6.0
Leamington Spa	-	-	39	43	1	-		2.2
Lowestoft	b	bbco	35	40	-	-		6.0
Felixstowe	b	b	35	42	5	-		5.8
Southend	b	bc	?	?	-	-		5.5

Stations	Weather Forenoon	Weather Afternoon	Temperature Min. Night 22nd-23rd °F.	Temperature Max. Day 23rd °F.	Rainfall† Night 17h-9h 22nd-23rd mm.	Rainfall† Day 9h-17h 23rd mm.	Sunshine	Sunshine Sunrise to Sunset 23rd hr.
Ilfracombe	bc	bcco	45	49	1	-		2.5
Bude	bcbc	bcco	41	51	1	-		4.3
Torquay	b	b	44	49	-	-		5.9
Weymouth	b	b	42	50	1	-		5.3
Bournemouth	b	b	42	46	1	-		6.1
Portsmouth (S'thsea)	bb	bcb	43	46	2	-		6.3
Littlehampton	bc	bc	43	45	2	-		6.3
Worthing	bbc	bcb	42	45	3	-		6.3
Brighton	b	b	?	51	-	-		6.3
Eastbourne	b	b	43	46	1	-		6.9
Hastings	bbcb	bbcb	42	45	0.2	-		6.5
Folkestone	bc	bc	?	49	-	-		6.0
Dover	bc	cpb	41	51	0.3	Trace		5.9
Tunbridge Wells	bcbb	bcb	40	44	-	-		5.4
Ramsgate	bcb	bcbc	37	49	0.4	-		4.9
Margate	o	bc	36	42	0.1	-		4.9
Deal	cbc	bcb	40	42	1	-		4.6

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* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. § For code see page 3. ‡ See footnote page 1

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B22678 Tuesday 25th December 1923.

Observations at 1300 G.M.T. 24th (columns 2–15) — Observations at 1800 G.M.T. 24th (columns 16–29)

STATIONS. (For heights see p. 4).	Barom. at M.S.L. mb.	Change in 3 Hours.†	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Cloud Upper Form.	Cloud Total Amt. 0-10	State of ground.	Barom. at M.S.L. mb.	Change in 3 Hours.†	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Cloud Upper Form.	Cloud Total Amt. 0-10	Sea. 0-9
Lerwick	1009·9	+5	NE	2	bcjp	34	65	7	4000	CuNb	4	–	4	*	1010·8	+3	NW	2	bcjp	30	97	7	4000	CuNb	4	–	4	1
Stornoway	1009·8	*	N	3	bcph₀	36	75	7	4000	CuNb	6	–	6	*	1013·7	*	N	2	o	31	75	7	2500	CuNb	9	–	9	1
Wick	1007·7	+9	NE	4	bc	37	65	8	4000	Cu	4	–	4	*	1011·1	+4	W	2	b	?	97	8	4000	Cu	3	–	3	0
Castlebay	1010·2	+4	N	5	b	38	75	8	4000	Cu	1	–	1	*	1014·8	+5	NNW	2	b	36	85	8	–	–	0	–	0	3
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1013·4	*	–	0	br	28	75	8	4000	Cu	·3	–	3	*
Aberdeen	1006·0	+10	NE	5	b	36	75	8	2500	Cu	1	–	1	3	1012·6	+7	WNW	2	b	28	75	6	2500	Cu	1	–	1	1
Malin Head	1008·6	+4	N	5	b	41	75	8	5700	Cu	2	Cu	3	*	1013·5	+6	N	5	bpr₀	40	85	8	5700	CuNb	3	–	3	4
Renfrew	1006·6	+7	NNE	3	b+	40	65	9	5700	StCu	3	–	3	1	1014·0	+8	NE	2	b–	33	65	5	–	–	0	–	0	*
Edinburgh (Inchkeith)	1004·9	+5	N	4	bc+	37	75	8	*	Cu	5	–	5	*	1012·2	+9	N	3	b–	33	65	8	*	Cu	1	–	1	1
Leuchars	1004·9	+8	N	3	bcjp	35	75	8	4000	CuNb	6	–	6	3	1011·5	+8	N	2	b	30	65	8	–	–	0	–	0	*
Eskdalemuir	1004·8	+4	NNW	5	bc	35	75	7	2500	StCu	4	–	4	3	1012·0	+10	N	2	b	25	75	7	–	–	0	–	0	*
Tynemouth	1001·7	+1	NNW	3	bcjs(h)	37	75	7	1500	CuNb	6	–	6	*	1010·1	+6	N	3	bc/s(h)	35	65	7	1500	CuNb	4	–	4	6
Blacksod Point	1010·9	0	N'E	4	opr₀	45	75	7	*	*	*	*	10	*	1015·5	+6	N'E	4	c	42	91	8	*	*	*	*	8	4
Donaghadee	1007·1	+1	N	4	bc–	42	65	8	450	Cu	2	CiSt	4	*	1013·0	+8	N	4	b	44	75	8	450	Cu	3	–	3	5
Birr Castle	1009·1	*	W	1	orr	43	97	6	4000	Nb	10	–	10	*	1014·4	*	W	1	bc–	37	97	5	4000	Cu	4	–	4	*
Holyhead	1006·4	0	NW'N	6	o/r	43	92	8	1500	Nb	10	–	10	2	1014·3	+7	NNE	6	bc–	42	85	8	4000	StCu	6	–	6	5
Liverpool (Bidston)	1004·3	–2	WNW	6	or₀	40	85	8	1500	Nb	9	–	9	*	1010·6	+7	N	3	b	36	75	7	2500	SC	2	Ci	3	3
Chester (Shotwick)	1004·8	–1	NW'N	7	orq	40	92	6	800	Nb	10	–	10	2	1010·6	+7	NW	3	b	36	65	7	4000	StCu	1	–	1	*
Spurn Head	1000·6	–2	WNW	6	oph	37	97	5	2500	Nb	10	–	10	*	1007·5	+6	NNE	6	b	36	75	7	–	–	0	–	0	5
Birmingham (Edgbaston)	1001·6	–4	SSW	3	ojp	40	92	6	2500	CuNb	10	–	10	2	1009·7	+7	WNW	3	b–	35	85	5	–	–	0	–	0	*
Nottingham	1002·9	–3	WSW	3	o	40	97	3	1500	Nb	10	–	10	*	1008·0	+11	N	4	b–	36	85	6	2500	Cu	2	–	2	*
Cranwell	1002·3	–6	WSW	4	cpr₀	40	92	6	2500	StCu	8	–	8	1	1007·5	+8	N'W	4	b	33	92	7	2500	StCu	1	–	1	*
Gorleston	1003·2	–3	W	4	c+	38	92	7	2500	Nb	8	–	8	*	1004·3	+2	NW	4	cph₀	34	97	7	2500	CuNb	8	–	8	0
Valencia (Cahirciveen)	1014·4	–3	W'S	4	ogr₀	51	97	6	220	SC	10	–	10	2	1015·0	+6	ENE	3	o	46	92	8	800	SC	7	ASC	10	4
Roches Point	1008·9	–3	W	2	ogr₀	51	97	7	1500	Nb	10	–	10	*	1014·6	+8	NNE	1	o	44	92	8	2500	SC	10	–	10	0
Pembroke (St. Ann's H.)	1007·6	–1	W'S	6	or	47	97	6	1500	Nb	10	–	10	*	1011·9	+6	N	3	bc–	41	85	8	2500	SC	6	–	6	4
Ross-on-Wye	1005·4	–4	SW'W	2	o	41	92	8	2500	Nb	3	ASC	10	1	1010·1	+7	N	3	b–	38	65	8	–	–	0	Ci	1	*
Leafield	1005·0	–4	W	2	c/r	39	97	6	1500	SC	5	–	8	2	1009·0	+8	N	3	bc/r	35	85	6	5700	Cu	4	–	4	*
Andover	1005·1	–5	SW'W	1	or₀	41	97	6	450	SC	10	–	10	2	1008·3	+6	N'W	4	o–	39	85	7	2500	StCu	5	ASC	9	4
S. Farnborough	1005·3	–6	W	2	od₀	41	97	5	450	Nb	10	–	10	2	1008·3	+4	WNW	3	o	39	85	7	1500	Cu	8	ASC	10	*
London (Kew Obsy.)	1004·4	–9	SW	2	or₀r₀	40	97	4	1500	Nb	10	–	10	1	1007·3	+6	NW'N	4	b–	40	75	7	–	–	0	ACu	2	*
Croydon	1008·9	–5	W	3	o/r	39	97	5	800	SC	6	ASC	10	2	1006·4	+4	NNW	4	c	40	75	6	1500	St	5	ASC	8	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1004·7	+3	NW	3	oprs₀	37	92	7	800	Nb	10	–	10	0
Shoeburyness	1004·0	–5	W	4	od₀	39	85	5	1500	SC	10	–	10	*	1008·4	+3	W'N	6	bc/f	37	88	8	1500	StCu	3	ASC	5	*
Grain	1004·6	–7	WSW	4	o/r	39	97	7	1500	SC	10	–	10	2	1005·6	+2	NNW	4	c–	38	92	7	2500	SC	7	–	7	0
Lympne	1004·5	–9	W	3	or₀	38	97	6	800	Nb	10	–	10	–	1004·9	+2	NNW	4	c–	37	97	5	300	StCu	8	–	8	*
Scilly (St. Mary's)	1013·1	–3	W	6	o	51	92	6	2500	SC	10	–	10	*	1012·0	–1	WNW	6	orr	50	97	5	2500	Nb	10	–	10	5
Falmouth (Pendennis)	1009·7	–3	WSW	6	or₀r₀	51	92	6	2500	Nb	10	–	10	*	1009·8	+1	N	4	or₀r₀	51	92	7	5700	Nb	10	–	10	1
Plymouth (Cattewater)	1009·3	–4	W	5	or₀r₀	51	97	6	450	SC	10	–	10	1	1010·0	+4	WNW	3	or₀r₀	45	97	7	450	SC	10	–	10	0
Portland Bill	1005·5	–6	W	5	or₀r₀	50	92	7	2500	Nb	10	–	10	*	1008·1	+6	NW	5	or–	45	92	7	2500	Nb	10	–	10	4
Southampton (Calshot)	1005·1	–7	W'S	3	orr	44	97	5	800	Nb	10	–	10	2	1007·5	+5	NW	3	or	43	92	7	1500	Nb	10	–	10	3
Dungeness	1005·4	–6	WSW	3	orr	49	97	6	–	–	0	ASC	10	*	1004·6	+1	NW	3	c/r	36	97	7	–	–	0	ASC	7	4
Guernsey	1010·3	–4	W	7	od₀d₀	50	97	5	800	SC	10	–	10	*	1009·2	–2	W	8	orr	50	97	5	1500	Nb	10	–	10	7

LONDON OBSERVATIONS.	Height above M.S.L. in feet.	Weather Morning (24 Hours ended 0900 G.M.T. 25th)	Weather Afternoon	Weather Night	Temperature Max. °F.	Temperature Min. °F.	Min. on Grass °F.	Rainfall mm. Day	Rainfall mm. Night	Sunshine to Sunset, hrs. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)	Visibility 9h.
Kew (24 hours ended 0700)	18	or m	orfcq	bcbmx	*	*	16	2	–	0·0	*	*	
Croydon (24 hours ended 0700)	244	or₀d₀m	bcm	cbzm	*	*	14	3	–	0·0	*	*	5
Greenwich (Royal Obsy.)	149	or	o	ocbcbr	42	24	18	1	–	0·0	90	89	3
City (Bunhill Row)	80	*	*	*	*	*	*	*	*	0·0	*	*	*
Westminster (St. James' Pk.)	27	*	*	*	43	25	~~20~~ 19	2	*	0·0	92	89	*
Regent's Pk. (Botanic Gdns).	168	*	*	*	*	*	*	*	*	0·0	*	*	*
Camden Square	110	*	*	*	41	26	24	1	–	*	*	*	*
Kensington Palace	80	0	0	*	42	26	15	1	–	*	(At 18h 66)	100	*
Hampstead Observatory	450	*	*	*	39	25	11	1	–	0·0	*	*	*

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 1800 G.M.T. 25th

South Kensington Max.	Time.	Min.	Time.

Kew Observatory Max.	Time.	Min.	Time.

POLE STAR RECORD at Greenwich Obsy.

Exposure from 24th 17 h. 00 m. to 25th 07 h. 00 m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	14·0	13·28	96
δ Ursae Minoris	14·0	13·17	95

CODE FOR STATE OF GROUND.
0 = Dry ground.
1 = Wet ground.
2 = Soft (muddy) wet ground.
3 = Bare ground frozen (but less than 2 ins. deep).
4 = Bare ground frozen (but more than 2 ins. deep).
5 = Dew (or wet grass but not wet ground).
6 = Skating to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7 = Snow (thin layer, often not continuous).
8 = Snow (deep, impeding traffic, usually a continuous layer).
9 = Glazed roads (ice on roads from frozen rain, or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.[1]

Time.	Type.	No. per 4 sec.	Stren.	Direc.
13h.	c	5	–	150
18h.	GC₂	6	–	130
01h.	–	–	–	–
07h.	–	–	–	–

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM. 25th – 26th December, 1923.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	8·6 / 8·6	11·53 / 11·54	3·41 / 3·42
Greenwich	8·7 / 8·7	12·0 / 12·1	3·53 / 3·54
Wick	8·5 / 8·5	12·12 / 12·13	3·10 / 3·10
Valencia	8·51 / 8·51	12·4 / 12·4	4·32 / 4·33

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, " less than 200 m.
m mist, " 1000—10000 m.
h hail. l intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. r rain. s snow.
rs sleet t thunder.
u ugly, threatening sky.
v unusual visibility. w dew.
x hoar frost. y dry air.
z dust haze; the turbid atmosphere of dry weather.
h(r) = "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity.
R = heavy rain. r₀ = slight rain.
rr = continuous rain.

SYMBOLS.
< = { less than (for cloud height). before (for precipitation).
⊕ = solar halo. Ш = lunar halo.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions, thus:—bc/r = fair weather after rain; – = "decreasing"; + = "increasing."

The BEAUFORT SCALE of WIND is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers, is the speed at about 30 feet above the ground.

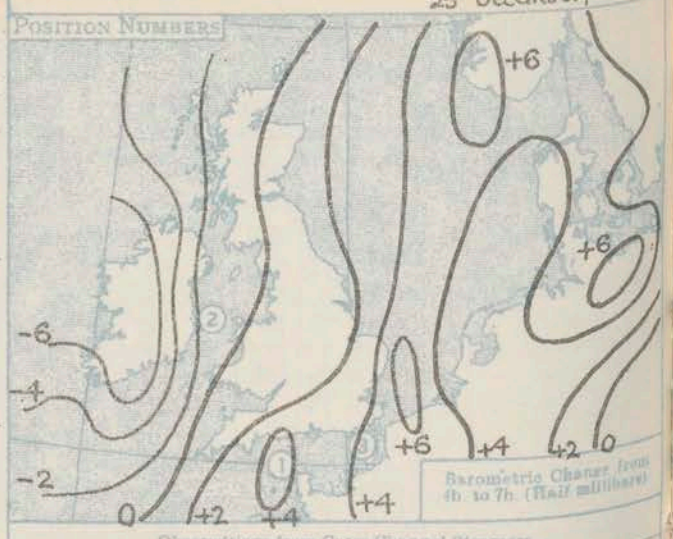
SEA DISTURBANCE.
0 = no swell } Calm or
1 = mod. swell } slight
2 = heavy swell } sea.
3 = no swell } Moderate
4 = mod. swell } sea.
5 = heavy swell }
6 = rather rough sea.
7 = rough sea.
8 = very rough sea.
9 = mountainous sea.

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1- 3
2	4- 7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

[1] For explanation see Introduction. * Information for these columns not usually received. † The barometric change is expressed in half millibars. § For code see page 3.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 24th	13h.-18h. 24th	18h. 24th to 1h. 25th	1h.-7h. 25th	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS.	RAINFALL.† Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began.	SUN. 24th Hours.
Lerwick	bc	cps	bcps	bc	35	30	•	0·4	1	13·30	<2100	1·8
Stornoway	p	c		bcpbsco	36	28	•	2	0·6	–	•	0·3
Wick	bbc	b-bc	osspc	ossbc	38	23	•	–	2	–	2100	•
Castlebay	bbc	b	bspb	bo	40	34	•	–	0·4	–	•	5·2
Nairn	cpbbc	bcb	bbcspb	bc	37	24	•	1	0·3	11·00	•	0·9
Aberdeen	spb	bbm	bmb	bpsb	36	24	22	0·3	0·1	~~11·00~~ 09·00	0530	3·3
Malin Head	pcbc	bcpo	pbcx	bccox	43	32		0·1	Trace	<08·00	<2100	1·8
Renfrew	opcbcb	bcb	bmbmx	bfoffx	41	32	12	0·1	–	<08·00	–	4·4
Edinburgh (Inchkeith)	c	bcb	b	bm	39	30	•	Trace	–	<08·00	•	2·4
Leuchars ...	opbb	bcbbx	bx bx	bxbx	37	14	14	Trace	–	<08·00	–	3·9
Eskdalemuir	oprobc	bcopsmb	bb	bcq	37	13	8	1	–	09·00	•	3·2
Tynemouth	bcpbs	bcposq	b	bbc	39	26	24	0·4	–	11·00	•	•
Blacksod Point ...	oo	cq		c	40	30	•	3	–	–	–	•
Donaghadee	cp	bc	b	bc	43	28	•	0·3	–	09·00	–	•
Birr Castle	orro	orrbc	bcq bbc	bccq	43	28	20	7	–	<08·00	–	0·0
Holyhead	orpr	oc	~~bccq~~	~~bcbb~~	44	32	23	0·2	–	<08·00	–	0·0
Liverpool (Bidston) ...	opsq	bc	bbc		43	30	24	1	•	12·30	–	0·3
Chester (Shotwick) ...	orprq	ocbc	bmx	bfmx	44	23	21	1	–	<08·00	–	0·1
Spurn Head	pph	osqs		bbc	39	31	•	3	–	<08·00	–	1·0
Birmingham (Edgbaston)	rp	obc	bm	bm	41	25	10	1	–	<08·00	–	0·0
Nottingham	p	poo	p	xfm	41	24	20	0·3	–	11·00	–	0·0
Cranwell	omcbc	orpob	bbmx	bmx	41	25	19	Trace	–	12·30	–	1·4
Gorleston	oprbc	coqir	bxbcx	mcxbc	39	29	24	2	–	15·30	–	0·6
Valencia (Cahirciveen)	or	ordo	o	oomcd	51	45	41	7	0·1	09·00	0630	0·0
Roches Point	ors	rors	obcw	bco	52	35	•	2	Trace	11·00	–	•
Pembroke (St. Ann's H.)	or	orc		cb	50	35	•	6	–	<08·00	–	0·0
Ross-on-Wye	op.o	opc	bcbbcb	bx	44	23	15	0·4	–	<08·00	–	0·0
Leafield	cor	cor	cbc	bcbc	40	23	13	4	–	15·30	–	0·0
Andover	orrm	~~orrmo~~ orrmo	cbcbmx	bmx	42	22	13	5	–	<08·00	–	0·0
S. Farnborough ...	rorrd	dmoo			41			4		<08·00		
London (Kew Obsy.) ...	orm	orfcmqbc	bcbm	bmbmx	42	24	16	2	–	<08·00	–	0·0
Croydon	odom	ocmq	cbm	bmx	41	24	14	3	–	<08·00	–	0·0
Clacton-on-Sea ...	opgm	ogmobs	orpsc	bcx	40	24	23	0·4	0·2	09·00	2400	0·0
Shoeburyness ..	omddd	dmoldmc	bcbx	bx	40	26	18	1	–	09·00	–	0·0
Grain	ors	oo	cbbx	bbx	40	21	14	1	–	09·00	–	0·0
Lympne	orrfm	ofom	cbcbm	bx	39	24	10	3	Trace	<08·00	–	0·0
Scilly (St. Mary's) ...	omq	omrq	omrgc	oc	52	43	•	3	1	14·30	<2100	0·0
Falmouth (Pendennis)	coqmr	coqmr	corcocodco		52	38	•	5	Trace	<08·00	2200	0·0
Plymouth (Cattewater)	orr	orr	orrc	bcb	52	30	18	3	0·2	<08·00	<2100	0·0
Portland Bill	rd	rd	cbcc	bbc	50	33		4	–	<08·00	•	•
Southampton (Calshot)	rrrr	orror		orcmbmx	46	28	23	5	Trace	<08·00	<2100	0·0
Dungeness ...	orr	oo	cbcxbmx	bbc	42	28	•	2	–	<08·00	•	•
Guernsey	ododq amo	orrq	orcebc	bcbx	50	39	•	5	2	11·00	<2100	•



Observations from Cross Channel Steamers.

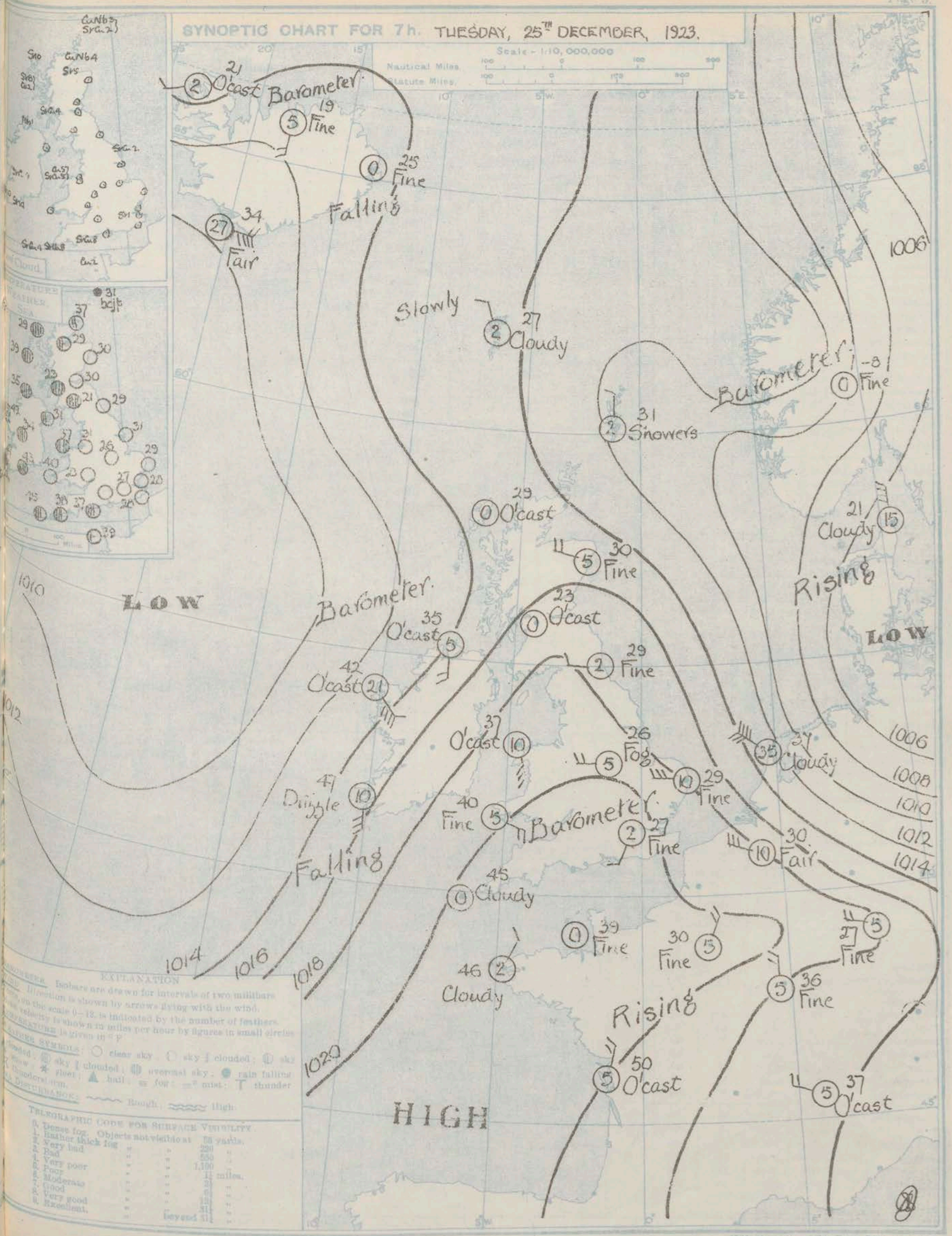
Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility.
3	24th 0200	BRIGHTON	NW	6	co-	45	48	8
2	" 1010	SCOTIA	WNW	5	c	43	47	8
3	25th 0200	DIEPPE	N	4	b	40	48	4

GENERAL INFERENCE.

A depression over the Northeast Atlantic will cause a renewal of unsettled weather with rain or drizzle in most districts. Temperature will rise temporarily.

Districts.	Forecasts for the 24 hours commencing 15 h. G.M.T. Tuesday, 25th December, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands	Wind indefinite, becoming S. or S.W., light or moderate; fair at first, probably some rain or drizzle later; visibility moderate; becoming milder.	Unsettled with fluctuating temperature. ---------
4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England	Wind S. or S.W., moderate to strong, veering later; dull, some rain or drizzle, sleet locally at first then improving; milder then colder again.	
9. N. Midlands 10. N.E. England 11. E. Scotland 12. S.W. Scotland	Wind S. or S.W., moderate or fresh; dull some rain sleet or snow, improving later; visibility moderate or good; moderate or rather low temperature.	
13. Isle of Man	As 4-8	
14. N.& N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	As 9-12	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind southerly, moderate to strong, veering later; dull, some rain or drizzle, then improving; visibility moderate to good; milder, then colder again.	

† For Code see opposite page


SYNOPTIC CHART FOR 7h. TUESDAY, 25TH DECEMBER, 1923.
Scale - 1:10,000,000
Nautical Miles
Statute Miles
LOW
HIGH
LOW
Barometer Falling
Barometer Falling
Barometer Falling
Barometer Rising
Barometer Rising
Slowly
1006
1008
1010
1012
1014
1016
1018
1020
EXPLANATION
TELEGRAPHIC CODE FOR SURFACE VISIBILITY

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.....Tuesday, 25th December.....1923. No. 259....

Observations at 0100 G.M.T. 25th

STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10
Lerwick	54													
Stornoway	51													
Wick	81													
Castlebay	37													
Nairn	82													
Aberdeen	46													
Malin Head	71													
Renfrew	38													
Edinburgh (Inchkeith)	190													
Leuchars	36													
Eskdalemuir	794													
Tynemouth	118													
Blacksod Point	10													
Donaghadee	35													
Birr Castle	175													
Holyhead	26													
Liverpool (Bidston)	189													
Chester (Shotwick)	16													
Spurn Head	26													
Birmingham (Edgbaston)	525													
Nottingham	82													
Cranwell	237													
Gorleston	13													
Valencia (Cahirciveen)	30													
Roches Point	32													
Pembroke (St. Ann's H.)	149													
Ross-on-Wye	223													
Leafield	556													
Andover	295													
S. Farnborough	250													
London (Kew Obsy.)	18						31							
Croydon	244													
Clacton-on-Sea	54													
Shoeburyness	11													
Grain	20													
Lympne	350													
Scilly (St. Mary's)	131													
Falmouth (Pendennis)	200													
Plymouth (Cattewater)	82													
Portland Bill	19													
Southampton (Calshot)	12													
Dungeness	21													
Guernsey														

Observations at 0700 G.M.T. 25th

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sun. 0-9
Lerwick	1011.1	0	N	1	bejh	31	94	4	4000	Cu NB	5	-	5	0
Stornoway	1014.3	*	-	0	0	29	85	8	1500	St	10	-	10	0
Wick	1013.8	0	NNW	1	bejs	31	94	8	2500	Cu NB	4	-	4	0
Castlebay	1013.3	-3	E	2	0	39	65	3	2500	St	10	-	10	1
Nairn	1015.2	*	-	0	bc+	29	85	8	1500	St	5	-	5	0
Aberdeen	1015.3	+1	WNW	2	b	30	92	4	-	-	0	Ci St	1	0
Malin Head	1014.2	-5	S	2	0	35	92	8	5000	NB	1	A St	10	4
Renfrew	1014.4	-1	-	0	0+	23	94	3	5000	St Cu	4	A St	10	1
Edinburgh (Inchkeith)	1016.3	+1	WSW	2	mb-	30	94	6	*	-	0	-	0	*
Leuchars	1016.1	0	W	3	b⊕	29	45	8	-	-	0	Ci	2	*
Eskdalemuir	1018.3	0	-	0	o⊕	21	45	8	-		0	A St	10	*
Tynemouth	1016.8	+1	W	1	b	29	85	4	-		0		0	
Blacksod Point	1012.8	-8	SSE	5	b	42	45	4	*	*	*	*	10	6
Donaghadee	1014.9	-1	-	0	b⊕	31	83	8	-		4	Ci St	3	3
Birr Castle	1016.3	*	ESE	1	0+	34	94	6	4000	St Cu	4		9	*
Holyhead	1019.0	0	SSE	3	0	34	92	4	4000	Cu	10		10	1
Liverpool (Bidston)	1018.8	+1	SW	1	b	31	85	6	-	-	0		0	*
Chester (Shotwick)	1019.2	0	WNW	1	ffb	23	94	3	-	-	0	Ci	1	
Spurn Head	1019.4	+1	WNW	3	b	31	92	5	-	-	0	-	0	4
Birmingham (Edgbaston)	1020.1	+1	WSW	2	b	24	65	5	-	-	0	-	0	*
Nottingham	1019.3	+1	W	2	ffb	26	92	3	-	-	0	-	0	*
Cranwell	1019.8	0	W'S	3	b	25	82	6	-	-	0	-	0	1
Gorleston	1018.0	0	W'N	3	b	29	94	6	-	-	0	-	0	
Valencia (Cahirciveen)	1015.4	-4	S'E	3	bd+	44	94	6	800	St	10	-	10	3
Roches Point	1014.2	-4	S	2	0	43	94	4	2500	St	10	-	10	3
Pembroke (St. Ann's H.)	1014.4	0	ESE	2	b	40	45	8	-	-	0	-	0	*
Ross-on-Wye	1016.5	+1	W	1	b	23	92	5	-	-	0	-	0	*
Leafield	1017.0	+1	SW	2	b	25	45	8	-	-	0	-	0	*
Andover	1021.0	+1	-	0	b	22	94	6	-	-	0	-	0	*
S. Farnborough	1020.8	+3	SSW	1	b	24	92	6	2500	St	1	-	1	*
London (Kew Obsy.)	1020.6	+2	SSW	2	b	24	92	5	-	-	0		0	
Croydon	1019.3	+3	NW	2	b	28	85	6	-	-	0	A St	3	0
Clacton-on-Sea	1020.0	+3	SW	1	b	24	65	6	-	-	0	-	0	*
Shoeburyness	1020.3	+3	WSW	3	b	23	94	6	-	-	0	-	0	0
Grain	1020.1	+3	N	2	b	25	85	4	-	-	0	Ci St	1	*
Lympne														
Scilly (St. Mary's)	1020.4	0	-	0	b-	45	92	8	4000	St Cu	4	A St	6	0
Falmouth (Pendennis)	1021.6	+2	N	1	c/f	38	92	8	5000	St Cu	8		8	0
Plymouth (Cattewater)	1021.4	+2	-	0	b+	32	[illegible]	8	-	-	0	AC	3	0
Portland Bill	1020.3	+4	NNE	3	c/f	34	45	4	4000	St Cu	8		8	3
Southampton (Calshot)	1021.1	+2	WSW	2	b	28	85	6	-	-	0	-	0	0
Dungeness	1019.9	+5	N	2	b	28	94	8	-	-	0	-	0	4
Guernsey	1021.4	+4	-	0	b	39	85	4	4000	Cu	2	-	2	0

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 24th

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 23-24 °F.	Temperature. Max. Day. 24 °F.	Rainfall.† Night 17h.-9h. 23-24 mm.	Rainfall.† Day 9h.-17h. 24 mm.	Sunshine.	Sunshine. Sunrise to Sunset. 24 hr.
Montrose	xbps	bcbx	32	36	1	0.3		0.0
Berwick-on-Tweed	cofrs	rsbw	32	39	0.3	2		1.8
Llandudno	odop	c	40	44	1	0.4		0.0
Colwyn Bay	cp	pc	39	45	2	2		0.0
Rhyl	cp	cc	40	44	1	0.5		0.0
Southport	bcofs	cbcb	38	43	0.5	1		0.8
Blackpool	orc	bc	39	43	0.2	1		1.6
Ilkley	odbc	bcbcc	28	42	0.3	0.3		1.3
Harrogate	o	bcos	30	39	-	-		2.0
Skegness	cor	orhsoc	31	49	10	4		1.3
Aberystwyth	roc	o	41	44	6	-		0.0
Bath	idbo	bwbc	46	46	1	1		0.0
Leamington Spa	or	oc	36	41	1	1		0.0
Lowestoft	occipfs	orbc	32	39	-	1		0.3
Felixstowe	orm	orab	34	39	-	-		0.0
Southend	orm	oocrm	31	39	0.4	0.4		0.0
Ilfracombe	or	or	44	55	2	6		0.0
Bude	rodds	r	41	50	4	6		0.0
Torquay	o	d	44	53	1	1		0.0
Weymouth	r	r	41	49	4	4		0.0
Bournemouth	or	or	38	49	2	3		0.0
Portsmouth (S'thsea)	ro	ro	39	46	3	4		0.0
Littlehampton	ocr	omroc	34	44	2	1		0.0
Worthing	ro	ro	35	43	2	2		0.0
Brighton	or	or	36	43	3	3		0.0
Eastbourne	rr	roc	37	43	2	4		0.0
Hastings	oddm	odpm	34	42	1	2		0.0
Folkestone	r	ro	42	46	1	1		0.0
Dover	ordd	dcbcm	36	41	-	1		0.0
Tunbridge Wells	oro	o	33	41	1	1		0.0
Ramsgate	or	rom	35	43	-	1		0.0
Margate	ord	o	36	40	-	1		0.0
Deal	or	o	35	40	-	2		

TERMS OF SUBSCRIPTION.—6/6 per quarter or 25/- per year, post free. Single copies may be obtained at the Meteorological Office, price 1d.

* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. § For code see page 3. ‡ See footnote page 1

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B 22,649 Wednesday, 26th December ....1923.

STATIONS (For heights see p. 4).	Observations at 1300 G.M.T. 25 Barom. at M.S.L. mb.	Change in 3 Hours‡	Wind Direc.	Wind Force 0-12	Weather	Temp. °F.	Humidity %	Visibility§ 0-9	Cloud Low Height Feet	Low Form	Low Amt. 0-10	Upper Form	Total Amt. 0-10	State of ground	Observations at 1800 G.M.T. 25 Barom. at M.S.L. mb.	Change in 3 Hours‡	Wind Direc.	Wind Force 0-12	Weather	Temp. °F.	Humidity %	Visibility§ 0-9	Cloud Low Height Feet	Low Form	Low Amt. 0-10	Upper Form	Total Amt. 0-10	Sea 0-9
Lerwick	1011·4	-1	NW	1	bcjp	31	97	7	4000	CuNb	3	CiSc	4	·	1009·6	-2	-	0	b	30	97	6	-	-	0	ASt	1	0
Stornoway	1007·6	-6	SE	1	ops₀	35	75	8	1500	St	10	-	10	·	1003·7	-4	SE	1	o	35	75	7	1500	St	10	-	10	2
Wick	1011·0	-4	WNW	1	o	?35	97	8	4000	StCu	4	ASc	10	·	1007·1	-3	ESE	2	o	36	92	8	2500	CuNb	4	ASt	10	0
Castlebay	1005·2	-9	ESE	5	orr	38	92	7	1500	Nb	10	-	10	·	997·5	-5	ESE	5	or-	36	97	6	800	Nb	10	·	10	6
Nairn	·	·	·	·	·	·	·	·	·	·	·	·	·	·	1004·6	·	-	0	c+	32	85	8	1500	St	8	-	8	·
Aberdeen	1012·6	-5	SW'W	1	mc/o+	31	85	4	-	-	0	ASc	10	7	1007·2	-6	SSE	3	o	35	75	6	1500	St	1	ASt	10	0
Malin Head	1003·2	-15	SE	3	or₀rs₀	33	97	6	2500	Nb	6	ASc	10	·	995·7	-3	W	5	o/rh	45	97	6	4000	Nb	4	ASt	10	3
Renfrew	1012·0	-7	SE	2	oss	32	92	4	250	Nb	10	-	10	7	1003·2	-9	E	2	oss	32	97	2	1500	Nb	10	-	10	·
Edinburgh (Inchkeith)	1011·9	-1	SSE	1	mmc	34	85	5	·	-	0	ASc	7	·	1004·7	-8	SE	2	oss	31	97	4	·	Nb	10	-	10	0
Leuchars	1012·4	-6	W	1	o	31	75	6	4000	Sc	10	-	10	3	1005·3	-7	SE	4	oss	31	97	6	800	Nb	10	-	10	·
Eskdalemuir	1014·1	-5	-	0	os₀+	27	75	5	1500	Nb	10	-	10	7	1004·1	-12	E	2	oss	29	92	5	450	Nb	10	-	10	·
Tynemouth	1014·3	+2	W	1	o+	33	92	5	-	-	0	ASc	10	·	1007·3	-9	S	2	oss	32	97	3	450	St	10	-	10	2
Blacksod Point	1002·7	-9	WNW	6	oprs	50	97	6	·	·	·	·	10	·	1000·5	-2	WNW	6	c	49	85	6	·	·	·	·	10	6
Donaghadee	1011·4	-4	S	2	os-	34	92	6	450	Sc	10	-	10	·	999·6	-5	S	2	omm	42	97	5	450	St	10	-	10	2
Birr Castle	1007·1	·	S	1	or₀	45	97	6	2500	Nb	10	-	10	·	1005·4	·	W	3	orr	50	97	5	1500	Nb	10	-	10	·
Holyhead	1012·3	-9	S'E	5	or₀r	40	97	5	800	Nb	10	-	10	1	1000·6	-11	SW	5	o/r	47	97	5	450	Nb	10	-	10	4
Liverpool (Bidston)	1014·2	-6	SE	3	o+	32	92	5	1500	Sc	10	-	10	·	1002·5	-12	SE'E	4	oRS	33	75	9	1500	Nb	10	-	10	4
Chester (Shotwick)	1015·2	-6	SE	3	o	32	85	6	4000	StCu	3	ASc	10	6	1003·4	-15	SSE	4	orr	33	97	3	1500	Nb	10	-	10	·
Spurn Head	1016·7	-2	WSW	3	o	33	97	6	4000	StCu	10	-	10	·	1009·8	-9	?S	5	oSS	32	97	5	1500	Nb	10	-	10	+
Birmingham (Edgbaston)	1017·9	-4	SSE	3	o	32	85	6	-	-	0	ASc	10	3	1007·3	-14	SE	5	or₀s₀	34	97	5	1500	Nb	10	-	10	·
Nottingham	1016·6	-5	SW	2	o+	33	75	5	1500	Sc	10	-	10	·	1007·5	-17	SSE	3	oss	34	97	6	1500	St	10	-	10	·
Cranwell	1018·0	-3	WSW	3	o	33	85	6	2500	Sc	5	ASc	10	3	1010·1	-10	SSE	3	oss₀	31	97	6	1500	Nb	10	-	10	·
Gorleston	1018·9	0	W	3	bc	35	75	6	-	-	0	CiSc	5	·	1014·5	-3	SSW	3	o+	32	97	6	-	-	0	ASt	10	1
Valencia (Cahirciveen)	1009·8	-8	SW	5	odd	52	97	6	450	Sc	10	-	10	2	1007·3	-1	W'S	5	o/r	51	97	6	<150	St	10	-	10	5
Roches Point	1010·9	-9	SW	4	orr	50	97	6	2500	Nb	10	-	10	·	1005·3	-5	WSW	4	bL	52	92	8	1500	Nb	2	-	2	3
Pembroke (St. Ann's H.)	1014·6	-4	S	5	odd	45	97	6	1500	Nb	10	-	10	·	1004·8	-7	SW	7	oD-	50	97	6	1500	Nb	10	-	10	6
Ross-on-Wye	1017·9	-6	SW'S	2	mo-	33	75	6	2500	Sc	8	ASc	10	3	1006·6	-11	SSW	2	oRR	39	91	6	1500	Nb	10	-	10	·
Leafield															1010·0	-12	SW	4	or₀s₀	34	97	4	1500	St	10	-	10	·
Andover	1020·1	-1	E'S	1	o+	33	85	6	4000	Sc	10	-	10	1	1011·1	-9	S'W	4	odd	37	97	6	800	St	10	-	10	3
S. Farnborough	1019·8	-2	S	2	o	35	85	5	-	-	0	ASc	10	3	1011·5	-11	S	3	or₀+	38	92	5	450	Nb	10	-	10	·
London (Kew Obsy.)	1019·9	-3	SSW	1	o+	35	75	3	2500	StCu	9	-	9	3	1012·2	-10	SSW	2	or₀r₀	37	92	7	1500	Nb	10	-	10	·
Croydon	1020·1	-3	SW	3	o+	36	65	6	5100	StCu	8	ACu	10	3	1013·6	-7	S'W	3	or₀r₀	36	85	6	1500	Nb	8	ASt	10	·
Clacton-on-Sea	·	·	·	·	·	·	·	·	·	·	·	·	·	·	1014·7	-5	S	3	o+	36	85	6	1000	St	10	-	10	0
Shoeburyness	1020·2	-0	SW	1	mo+	35	75	0	4000	Cu	10	-	10	·	1004·0	-7	SSW	3	or₀r₀	36	85	7	1500	St	10	-	10	·
Grain	1020·2	-2	SW	3	o+	35	75	6	4000	StCu	10	-	10	1	1015·1	-6	S	3	o	37	75	7	2500	St	10	-	10	0
Lympne	1020·6	-1	W	3	c+	35	65	6	-	-	0	ACu	8	2	1014·2	-7	SW	4	or₀	37	85	7	1500	Nb	10	-	10	·
Scilly (St. Mary's)	1013·0	-2	SW	4	ffo	49	97	2	700	Sc	10	-	10	·	1012·7	-3	W	6	o	50	97	6	4000	Nb	5	ASt	10	6
Falmouth (Pendennis)	1017·3	-4	W'S	4	od₀d₀	47	92	6	4000	Nb	10	-	10	·	1011·1	-5	W'N	6	odd	50	92	7	4000	Nb	10	-	10	0
Plymouth (Cattewater)	1018·7	-4	SW	3	ojp	45	97	8	1500	Sc	10	-	10	-*-	1011·3	-6	SSW	6	o/r	49	97	7	1500	St	10	-	10	4
Portland Bill	1019·1	-4	NNE	3	o	44	65	7	-	-	0	ASc	10	·	1003·9	-14	SW	4	orr	47	97	6	2500	Nb	10	-	10	3
Southampton (Calshot)	1019·0	-3	SSE	3	o+	40	85	6	-	-	0	ASc	9	0	1012·7	-9	S	6	orr	42	97	6	1500	Nb	10	-	10	5
Dungeness	1020·7	+1	N	1	c	40	65	8	-	-	0	ACu	8	·	1014·7	-6	SW	4	o	42	75	8	-	-	0	ASt	10	4
Guernsey	1021·1	-2	S	4	o	43	75	3	2500	Sc	5	ASc	10	·	1015·6	-5	SW	4	odd	46	97	5	1500	St	10	-	10	1

LONDON OBSERVATIONS.	Height above M.S.L. in feet	Weather (24 hours ended 0900 G.M.T. 26) Morning	Afternoon	Night	Temperature Max. °F.	Min. °F.	Min. on Grass °F.	Rainfall mm. Day	Night	Sunshine to Sunset, hrs. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	9h. G.M.T. % (To-day)	Visibility 9h.
Kew } 24 hours ended 0700	18	b/xohx	ofxogo	Rorom	·	·	34	0·2	10	0·1	·	·	6
Croydon } 24 hours ended 0700	244	coxm₀	o₃m₀	or₀r₀	·	·	35	Tr	8	1·2	·	·	·
Greenwich (Royal Obsy.)	149	bcox	od	or₀d	43	37	32	0·3	11	2·7	73	33	4
City (Bunhill Row)	80	·	·	·	·	·	·	·	·	0·0	·	·	·
Westminster (St. James' Pk.)	27	·	·	·	48	26	21	12	·	0·0	66	88	·
Regent's Pk. (Botanic Gdns).	168	·	·	·	·	·	·	·	·	0·3	·	·	·
Camden Square	110	cxfo	oo₅oo	·	47	26	25	0·5	12	·	·	31	·
Kensington Palace	80			·	38	37	34		12	·	At 18h	86	·
Hampstead Observatory	450	·	·	·	39	34	30	12	—				·

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 HR. ended 1600 G.M.T. 25

South Kensington Max.	Time.	Min.	Time.
-	-	-	-

Kew Observatory Max.	Time.	Min.	Time.
-	-	-	-

POLE STAR RECORD at Greenwich Obsy.

Exposure from 25 17 h. 00 m. to 26 07 h. 00 m.

Stars.	Exposure h. m.	Record h. m.	%
Polaris	14·0	-	-
δ Ursae Minoris	14·0	-	-

CODE FOR STATE OF GROUND.
0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain, or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.[1]

Time.	Type.	No. per 4 sec.	Stren.	Direc.
13h	-	-	-	-
18h	-	-	-	-
01h	-	-	-	-
07h	-	-	-	-

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.

26 & 27 December, 1923.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	8·6 8·6	11·54 11·54	3·42 3·43
Greenwich	8·6 8·7	12·1 12·1	3·54 3·55
Wick	9·5 9·5	12·15 12·15	3·20 3·21
Valencia	8·51 8·51	12·42 12·42	4·33 4·34

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, „ less than 200 m.
m mist, „ 1000—10000 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. r rain. s snow.
rs sleet. t thunder.
u ugly, threatening sky.
v unusual visibility. w dew.
x hoar frost. y dry air.
z dust haze; the turbid atmosphere of dry weather.
h(r)="hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity.
R = heavy rain. r₀ = slight rain.
rr = continuous rain.

SYMBOLS.

< = { less than (for cloud height). before (for precipitation).
⊕ = solar halo. Ⓤ = lunar halo.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions, thus:—bc/r = fair weather after rain.
- = "decreasing" + = "increasing."

The BEAUFORT SCALE of WIND is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers, is the speed at about 30 feet above the ground.

SEA DISTURBANCE.
0=no swell } Calm or slight sea.
1=mod. swell
2=heavy swell
3=no swell } Moderate sea.
4=mod. swell
5=heavy swell
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1- 3
2	4- 7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

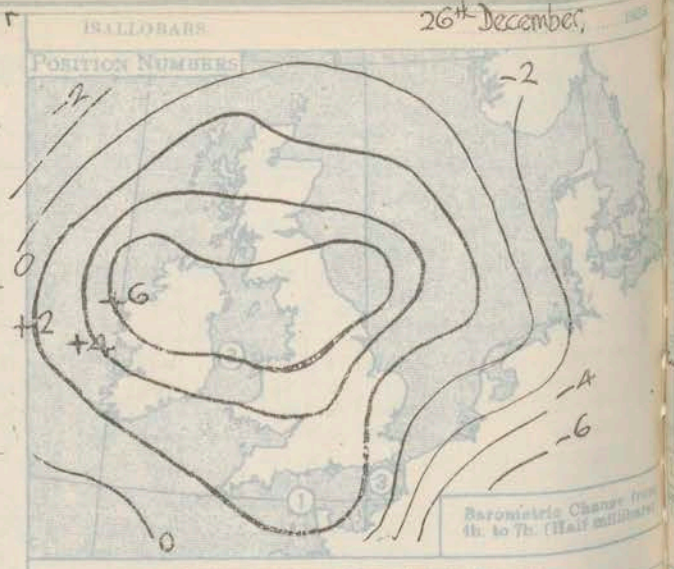
[1] For explanation see Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3

M.O. Form 2370.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 25th	13h.-18h. 25th	18h. 25th to 1h. 26th	1h.-7h. 26th	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS.	RAINFALL.† Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began.	SUN. 25th Hours.
Lerwick	bc	bc	b	bps	33	27	.	Trace	1	<0800	06·30	0·0
Stornoway	oo	oo		obc b	36	33	.	0·2	–	–	–	0·0
Wick	oo	oo	obc	b-bc	36	30	.	–	–	–	–	.
Castlebay	orr	rrr	r.op	opo	39	36	.	10	2	1100	–	0·0
Nairn	bccq	cq	csbq	cq	32	27	.	–	0·5	–	<2100	0·0
Aberdeen	bccom	omfm	isis.	oisc	35	31	27	–	2	–	<2100	0·0
Malin Head	oss	oisrs	orrir	oir	45	38	.	14	6	0900	<2100	0·0
Renfrew	ofxmss	offss	offsso	ofb	33	31	31	8	5	1230	2180	0·0
Edinburgh (Inchkeith)	m	s.S	SS	prs ph	34	30	.	3	6	1330	<2100	0·0
Leuchars	bxcxom	oms	ossSS	ossSsm	34	31	30	17	7	1630	<2100	0·0
Eskdalemuir	oxpa.	osm	osm s.	oo	29	28	28	8	5	1230	<2100	0·0
Tynemouth	om	offss	ossm	oq	35	32	31	1	3	1530	<2100	.
Blacksod Point	r-d	b			50		.	8	0·2	–	.	.
Donaghadee	SS	ofr	od	c	43	38	.	14	3	1230	<2100	.
Birr Castle	oir.	oRR	oc	coro	51	45	42	7	0·4	0900	–	0·0
Holyhead	ocorm	orRm	oro.	oir.	47	42	40	11	2	1100	<2100	0·0
Liverpool (Bidston)	com	os		or	47	31	26	5	7	1330	<2100	0·2
Chester (Shotwick)	bcfox	os.srf	orrr.	orrom	33	33	31	6	3	1230	<2100	0·0
Spurn Head	c	oms	ossrd.	psoaSd	34	33	.	Trace	5	1730	<2100	2·0
Birmingham (Edgbaston)	bbcog	os	or	ord	34	34	32	2	3	1530	0130	1·0
Nottingham	bxfm	oss	srd.	oo	34	33	32	3	8	1530	<2100	0·0
Cranwell	bbccm	oosm	osmr	oo	33	30	30	Trace	7	1730	<2100	1·3
Gorleston	bxbc	bccox		orrf	35	31	30	–	10	–	<2100	4·4
Valencia (Cahirciveen)	ordm	omrnd	omdo	odo	53	49	46	7	0·1	<0800	<2100	0·0
Roches Point	ofdrr	rrob	bbcc	c	53	48	.	3	–	<0800	–	.
Pembroke (St. Ann's H.)	oo	r-d		oo	50	47	.	28	1	1000	2200	0·0
Ross-on-Wye	xifcmom	ogdr	Roido	obccq	39	38	37	3	4	1530	<2100	0·6
Leafield	cop	rsdeso	corr	cod	34	34	32	2	8	1430	<2100	2·0
Andover	bcfcm	omoddm	RRmrr	oo	37	37	37	0·4	11	1530	<2100	1·2
S. Farnborough	xfmmco	ommr.	oorr	oomm	38	38	36	Trace	8	1730	<2100	0·0
London (Kew Obsy.)	bfuifx	ofxomr.	oRorom	omom	37	37	34	0·2	10	1730	<2100	0·1
Croydon	coxmg	omr.r.	oRRq	or.	37	36	35	Trace	8	1730	<2100	1·2
Clacton-on-Sea	bcxcm	cmog	ogrs	ogrsog	36	33	32	–	9	–	<2100	3·3
Shoeburyness	bbccom	omor.r	opr	orroir	37	33	32	0·1	10	1730	<21·00	1·3
Grain	bxbo	o	orr	oiro	37	35	32	Tr	7	–	<2100	1·4
Lympne	bbcmm	com	orR	or.	37	36	34	Trace	10	1730	<2100	2·6
Scilly (St. Mary's)	coifd	omqmp	omgr	omqp	51	49	.	1	0·5	0900	<21·00	0·0
Falmouth (Pendennis)	comd	omd	omd	comd	50	38	.	1	0·2	0900	2200	0·0
Plymouth (Cattewater)	oo	orrq	orr	orr	49	47	41	6	4	1330	<2100	0·0
Portland Bill	c	r-d	rrr	r-d	47	46	.	4	5	1530	<2100	.
Southampton (Calshot)	bom	orr		orrmo	43	42	40	05	12	1630	<2100	1·4
Dungeness	c	c	ogRR	obr	42	38	.	–	9	–	<2100	.
Guernsey	bbcc	d.d.o	od.d.o	od.dq	50	38	.	0·6	3	1430	<2100	.

26th December,



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea.	Angle
3	26th 02.00	"Arundel"	WSW	7	PR	54	47	6

GENERAL INFERENCE.

The depression over the southern North Sea is moving away, but a new disturbance centred to the south of Iceland and travelling southeast will maintain unsettled weather generally. Temperatures will be rather low in the North and North East but mainly moderate elsewhere.

Districts.	Forecasts for the 24 hours commencing 15 h. G.M.T. Wednesday, 26th December, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands	Wind light northwesterly backing later towards West; cloudy, occasional rain; visibility moderate; moderate temperature.	Unsettled. -----
4. W. Midlands 5. S.W. England 6. South Wales	Wind westerly strong; cloudy, occasional rain; visibility moderate; moderate temperature.	
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. E. Scotland 12. S.W. Scotland 13. Isle of Man	Wind variable, light or moderate, becoming south-westerly and freshening later; mainly fair at first, rainy later; visibility moderate; temperature low.	South Cone hoisted 1600 25/12/23. -----
14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Wind S. or S.E., moderate or fresh, cloudy, rain or sleet later; visibility moderate; temperature low.	
17. N.W. Ireland 18. N.E. Ireland	As 7 to 13.	
19. S.E. Ireland 20. S.W. Ireland	As 4 to 6.	

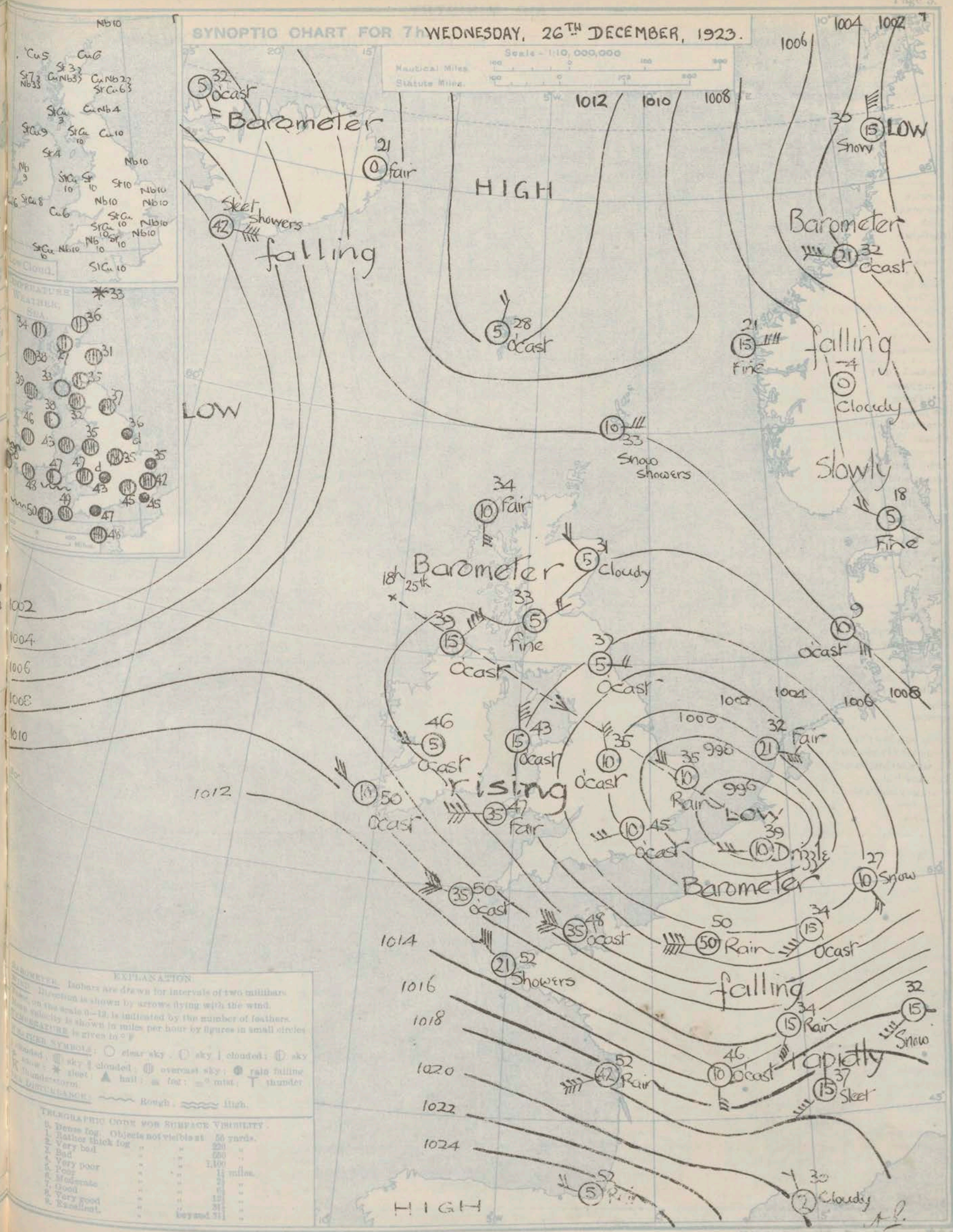
0945 GMT.

G.C.

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at

G. C. SIMPSON, F.R.S., Director.

† For Code see opposite page


SYNOPTIC CHART FOR 7h WEDNESDAY, 26TH DECEMBER, 1923.
Scale - 1:10,000,000
Nautical Miles
Statute Miles
HIGH
LOW
Barometer falling
Barometer rising
Barometer falling slowly
Barometer rapidly
Barometer
Low Cloud.
Temperature
Weather
Sea
EXPLANATION
BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Direction is shown by arrows flying with the wind.
Force, on the scale 0–12, is indicated by the number of feathers.
Mean velocity is shown in miles per hour by figures in small circles.
TEMPERATURE is given in °F.
WEATHER SYMBOLS: clear sky; sky clouded; sky clouded; sky clouded; sky clouded; overcast sky; rain falling; snow; sleet; hail; fog; mist; thunderstorm; thunder.
SEA DISTURBANCE: Rough; High.
TELEGRAPHIC CODE FOR SURFACE VISIBILITY.
0. Dense fog. Objects not visible at 55 yards.
1. Rather thick fog " " 220 "
2. Very bad " " 550 "
3. Bad " " 1,100 "
4. Very poor " " 1¼ miles.
5. Poor " " 2 "
6. Moderate " " 4 "
7. Good " " 10 "
8. Very good " " 20 "
9. Excellent. " " 21 "
Beyond 21 "

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. Wednesday, 26th December 1923. No. 360.

Observations at 0100 G.M.T. 26th

STATIONS.	Height above M.S.L. in feet	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10
Lerwick	54													
Stornoway	51													
Wick	81													
Castlebay	37													
Nairn	82													
Aberdeen	40													
Malin Head	71													
Renfrew	38													
Edinburgh (Inchkeith)	190													
Leuchars	36													
Eskdalemuir	794													
Tynemouth	118													
Blacksod Point	10													
Donaghadee	35													
Birr Castle	175													
Holyhead	26													
Liverpool (Bidston)	189													
Chester (Shotwick)	16													
Spurn Head	26													
Birmingham (Edgbaston)	525													
Nottingham	82													
Cranwell	237													
Gorleston	13													
Valencia (Cahirciveen)	30													
Roches Point	32													
Pembroke (St. Ann's H.)	140													
Ross-on-Wye	223													
Leafield	556													
Andover	295													
S. Farnborough	250													
London (Kew Obsy.)	18						+3							
Croydon	244													
Clacton-on-Sea	54													
Shoeburyness	11													
Grain	20													
Lympne	350													
Scilly (St. Mary's)	131													
Falmouth (Pendennis)	200													
Plymouth (Cattewater)	82													
Portland Bill	19													
Southampton (Calshot)	12													
Dungeness	21													
Guernsey														

Observations at 0700 G.M.T. 26th

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sun.
Lerwick	1008.7	0	E	3	obso	33	92	6	4000	Nb	10	-	10	2
Stornoway	1007.4	+3	S	3	b'e	34	95	8	4000	Cu	5	-	5	2
Wick	1006.8	+1	N	1	bc	36	85	8	4000	Cu	6	-	5	0
Castlebay	1006.2	+2	NE	3	o	38	85	8	1500	St	10	-	10	3
Nairn	1007.5	*	-	0	bc	27	85	8	1500	St	6	-	6	*
Aberdeen	1006.6	+3	NW	2	c/sh	31	97	7	2500	Stcu	8	-	8	1
Malin Head	1005.3	+7	NE	4	o/r	39	85	7	4000	Stcu	3	-	9	+
Renfrew	1006.1	+5	ENE	2	b	33	97	6	7200	Stcu	3	-	3	*
Edinburgh (Inchkeith)	1005.3	+5	E	2	bc-	35	92	8	*	Cu.Nb	4	ACu	6	0
Leuchars	1006.0	+4	NNE	2	obso	33	97	6	2500	Nb	10	-	10	*
Eskdalemuir	1005.0	+4	NE'N	4	o	32	92	6	1500	Stcu	10	-	10	*
Tynemouth	1002.8	+7	E	2	o	37	97	7	2500	Cu	10	-	10	4
Blacksod Point									*	*	*	*		
Donaghadee	1004.9	+6	SSE	3	bc-	38	95	8	800	St	4	-	4	3
Birr Castle	1005.6	*	W	2	o-	46	97	4	2500	Nb	10	-	10	*
Holyhead	1002.9	+6	N	4	o	+3	92	7	2500	Stcu	10	-	10	3
Liverpool (Bidston)	1002.9	+6	N'E	2	o/r	35	97	6	2500	St	10	-	10	*
Chester (Shotwick)	1002.0	+10	WNW	3	mmo	37	97	4	800	St	10	-		
Spurn Head	999.5	+6	ENE	5	odd	36	97	7	2500	Nb	10	-	10	+
Birmingham (Edgbaston)	1002.2	+4	WNW	4	od-	43	97	6	1500	Nb	10	-	10	*
Nottingham	1001.1	+8	NNW	3	o	35	92	6	1500	Nb	10	-	10	*
Cranwell	999.7	+5	NNW	4	fo	35	97	2	800	St	10	-	10	1
Gorleston	997.1	0	NW'N	3	ot	35	97	2	2500	Nb	10	-	10	
Valencia (Cahirciveen)	1009.5	+2	NNW	3	o/r	50	85	7	1500	Stcu	6	ASt	10	6
Roches Point	1007.5	+3	NW	4	c	48	92	8	800	Stcu	8	-	8	6
Pembroke (St. Ann's H.)	1009.9	+3	W	7	bc-	47	92	8	2500	Cu	6	-		*
Ross-on-Wye	1008.3	+3	W'N	4	o	47	85	9	2500	Stcu	10	-	10	
Leafield	999.6	+1	SW	3	obo+	44	92	+	4000	St	10	-	10	
Andover	1001.0	+2	W'N	5	o	45	97	8	800	Stcu	10	-	10	*
S. Farnborough	1000.1	+3	WSW	2	o	45	95	6	800	Stcu	10	-	10	*
London (Kew Obsy.)	999.3	+3	W'S	3	o	+5	85	6	2500	Stcu	10	-	10	*
Croydon	999.4	+2	NNW	4	ofsto	45	85	7	1500	Nb	9	ASt	10	
Clacton-on-Sea	999.9	+1	NW	3	o	+2	92	7	4800	Nb	10	-	10	0
Shoeburyness	999.8	0	W	2	of-	+5	92	7	800	Nb	9	ASt	10	0
Grain	999.4	0	W'N	5	o	+5	85	7	800	St	10	-	10	*
Lympne	999.8	+3	NW	4	ofsto	++	92	7	1500	Nb	10	-		
Scilly (St. Mary's)	1000.4	0	NNW	7	o	50	92	7	4000	Stcu	10	-	10	7
Falmouth (Pendennis)	1000.0	+3	NNW	6	o/r	49	85	7	4000	Nb	10	-	10	1
Plymouth (Cattewater)	1005.6	+3	NW	4	o	48	92	8	800	St	10	-	10	3
Portland Bill	1002.4	++	NNW	6	of	+7	97	7	2500	Nb	10	-	10	+
Southampton (Calshot)	1001.5	+2	N'S	5	o	+7	92	7	1500	St	10	-	10	3
Dungeness	999.4	+1	NW	+	of	+5	92	8	4000	Nb	10	-	10	+
Guernsey	1003.3	+2	NNW	7	o	+8	92	8	2500	Stcu	10	-	10	+

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 25th Dec.

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 24-25 °F.	Temperature. Max. Day. 25 °F.	Rainfall.† Night 17h.-9h. 24-25 mm.	Rainfall.† Day 9h.-17h. 25 mm.	Sunshine.	Sunshine. Sunrise to Sunset. 25 hr.
Montrose	bcc	cou	24	36	-	-		0.0
Berwick-on-Tweed	gru	nos	26	33	-	0.5		0.0
Llandudno	o	to	27	42	-	3		0.0
Colwyn Bay	p	p	27	43	-	2		0.0
Rhyl								
Southport	xbccq	oso	26	32	-	2		0.0
Blackpool	mo	of	25	32	-	1		0.0
Ilkley	xbc	bcs	22	40	-	0.4		0.2
Harrogate	bbco	os	24	34	-	1		1.5
Skegness								
Aberystwyth	toc	o	28	42	2	2		0.0
Bath	mbbco	mor	23	39	-	1		0.0
Leamington Spa	-	-	22	34	-	-		0.0
Lowestoft	obc	bcco	26	36	0.5	-		4.0
Felixstowe	cra	ora	26	36	-	-		3.3
Southend	bcoc	cco	24	45	-	-		1.5
Ilfracombe	o	of	34	46	-	5		0.0
Bude	bbc	ohr	31	50	1	5		0.0
Torquay	bcco	r	32	49	0.1	3		0.0
Weymouth	kfo	of	28	45	0.3	1		0.0
Bournemouth	fbc	rr	25	43	-	1		2.0
Portsmouth (S'thsea)	bf	o	26	42	-	-		3.4
Littlehampton	bcm	bc	28	42	-	-		6.5
Worthing	bbc	bco	25	43	-	-		3.2
Brighton	ob	bo	27	50	-	-		4.1
Eastbourne	bbc	co	26	42	-	-		
Hastings	xmb	bbco	29	42	-	-		4.3
Folkestone	xbc	bc	36	46	-	-		4.2
Dover	mbbc	bcco	29	49	-	-		4.5
Tunbridge Wells	b	bco	22	39	-	-		3.2
Ramsgate	cbx	bbco	28	38	-	-		3.4
Margate	bc	o	29	39	-	-		2.1
Deal	mob	obc	22	30	-	-		4.2

TERMS OF SUBSCRIPTION.—6/6 per quarter or 25/- per year, post free. Single copies may be obtained at the Meteorological Office, price 1d.

* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. § For code see page 3. ‡ See footnote page 1

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B22,680 Thursday 27th December 1923. Page 1.

Observations at 1300 G.M.T. 26th

Stations (For heights see p.4).	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Low Cloud Height Feet	Low Cloud Form	Low Cloud Amt. 0-10	Upper Form.	Total Amt. 0-10	State of ground.
Lerwick	1010.8	+3	E	2	b	33	75	7	4000	Cu	2	Ci	3	*
Stornoway	1006.6	-1	SSE	2	o+	35	85	7	450	St	10	-	10	*
Wick	1008.0	-1	WNW	1	or	27	97	8	4000	Cu	2	CiSt	9	*
Castlebay	1005.3	-1	ESE	4	o	40	75	8	1500	St	10	-	10	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1008.6	+1	W	1	o+	31	92	5	-	-	0	ASt	10	7
Malin Head	1004.8	-3	SE	2	o	38	85	7	2500	St	1	ASt	10	*
Renfrew	1007.9	-1	E	2	o+	34	92	2	1500	St	10	-	10	8
Edinburgh (Inchkeith)	1008.2	+2	NNE	2	mmo	34	92	6	*	StCu	1	CiSt	10	*
Leuchars	1008.2	+1	-	0	o	32	85	6	2500	St	5	ASt	10	8
Eskdalemuir	1008.4	+1	N	2	o	32	92	6	1500	St	10	-	10	7
Tynemouth	1008.7	+3	SSW	1	ojp	37	92	5	800	St	10	-	10	*
Blacksod Point	1004.6	-4	S'W	4	o	45	97	7	*	*	*	*	10	*
Donaghadee	1007.7	+1	SSE	3	o+	40	85	8	450	St	4	ASt	10	*
Birr Castle	1007.5	*	N	1	o+	46	97	7	2500	Nb	10	-	10	*
Holyhead	1007.4	+2	SE'S	1	o	42	92	7	2500	St	5	ASt	10	2
Liverpool (Bidston)	1007.9	+1	SE	2	o-	37	85	5	2500	St	7	ASt	10	*
Chester (Shotwick)	1008.1	+4	SW	1	mmo	39	85	4	1500	St	6	CiSt	10	2
Spurn Head	1008.0	+6	ESE	3	o/r	38	85	7	4000	StCu	10	-	10	*
Birmingham (Edgbaston)	1008.4	+6	NNW	3	fc-	37	92	3	2500	St	10	-	10	2
Nottingham	1007.4	+7	NE	2	o	36	92	6	2500	Nb	10	-	10	*
Cranwell	1008.5	+8	-	0	o	34	97	6	4000	StCu	10	-	10	7
Gorleston	1007.6	+6	NE	5	o-	35	85	6	4000	StCu	10	-	10	*
Valencia (Cahirciveen)	1009.1	-2	SW'W	3	or₀d	52	97	6	800	St	10	-	10	1
Roches Point	1008.9	+1	SW	1	o	49	85	8	4000	StCu	6	ASt	10	*
Pembroke (St. Ann's H.)	1008.6	+3	WNW	3	o	47	92	8	2500	StCu	10	-	10	*
Ross-on-Wye	1008.4	+6	NNE	2	mmo	40	85	6	1500	St	10	-	10	1
Leafield	1008.1	+6	N	2	o/r	36	92	6	2500	St	10	-	10	*
Andover	1007.5	+7	N'E	4	o	40	75	7	1500	St	10	-	10	2
S. Farnborough	1007.1	+8	NNW	3	o	39	85	6	1500	StCu	10	-	10	2
London (Kew Obsy.)	1007.3	+7	N	3	o	39	85	5	2500	StCu	10	-	10	1
Croydon	1006.7	+7	N'W	3	o+	38	92	5	1500	St	10	-	10	2
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1006.4	+8	NE	3	or₀	37	85	8	800	Nb	10	-	10	*
Grain	1006.1	+7	NNE	4	opr₀	37	92	6	800	Nb	10	-	10	2
Lympne	1005.1	+6	N	4	od₀	36	97	6	450	Nb	10	-	10	2
Scilly (St. Mary's)	1011.8	+2	WNW	4	od₀	50	97	6	4000	StCu	10	-	10	*
Falmouth (Pendennis)	1010.6	+4	WNW	4	o	50	75	7	4000	StCu	10	-	10	*
Plymouth (Cattewater)	1010.5	+5	NW	3	o-	49	85	8	1500	St	10	-	10	2
Portland Bill	1008.2	+4	WNW	3	c-	48	92	7	4000	CuNb	8	-	8	*
Southampton (Calshot)	1006.4	+7	N'W	4	or₀d	45	92	6	1500	Nb	10	-	10	1
Dungeness	1005.2	+6	NE	3	o/r	40	85	7	4000	Cu	10	-	10	*
Guernsey	1009.5	+3	W'N	4	o	49	92	8	1500	St	10	-	10	*

Observations at 1800 G.M.T. 26th

Stations	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Low Cloud Height Feet	Low Cloud Form	Low Cloud Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1011.0	0	ESE	2	bc	33	92	7	4000	StCu	4	-	4	1
Stornoway	1003.5	-3	SSE	2	o	36	85	7	450	St	10	-	10	1
Wick	1006.1	-2	NW	1	c-	28	97	8	4000	Cu	4	CiSt	7	0
Castlebay	1001.0	-3	ESE	5	opr₀	41	85	6	1500	Nb	10	-	10	6
Nairn	1005.4	*	-	0	o	29	75	8	1500	St	9	-	9	*
Aberdeen	1007.9	-2	WNW	2	fo+	27	97	3	4000	StCu	10	-	10	0
Malin Head	999.6	-8	SE	4	oDD	37	97	6	2500	Nb	10	-	10	1
Renfrew	1005.9	-4	E	2	oF	33	92	2	2500	St	10	-	10	*
Edinburgh (Inchkeith)	1005.7	-3	S	2	o/f	34	92	8	*	-	0	ASt	10	0
Leuchars	1006.5	-3	-	0	o	30	97	6	1500	St	10	-	10	*
Eskdalemuir	1006.9	-2	-	0	o	31	85	6	1500	St	10	-	10	*
Tynemouth	1008.4	0	-	0	ffo	37	97	3	800	St	10	-	10	0
Blacksod Point	999.7	+1	W	1	od₀d₀	50	97	5	*	*	*	*	10	1
Donaghadee	1005.3	-2	S	3	orr	40	92	7	450	St	10	-	10	3
Birr Castle	1001.7	*	S	1	ORR	49	97	5	2500	Nb	10	-	10	*
Holyhead	1005.4	-3	S'E	3	or₀t	42	97	6	800	Nb	10	-	10	1
Liverpool (Bidston)	1007.1	0	ESE	3	o	36	97	6	2500	St	10	-	10	2
Chester (Shotwick)	1007.7	-1	SE	4	ors₀	37	85	3	1500	St	10	-	10	*
Spurn Head	1007.8	+2	S	3	o	35	92	7	2500	St	10	-	10	2
Birmingham (Edgbaston)	1009.3	+1	ESE	3	mmo	35	92	5	1500	St	10	-	10	*
Nottingham	[illegible]	+1	NE	1	o	34	92	6	1500	Nb	10	-	10	*
Cranwell	1010.7	+3	-	0	o	32	97	6	2500	StCu	10	-	10	*
Gorleston	1010.0	+2	ESE	3	o	35	85	7	4000	StCu	10	-	10	1
Valencia (Cahirciveen)	1006.5	-2	SW'W	6	orr	52	97	6	800	St	10	-	10	7
Roches Point	1005.0	-4	WSW	4	or₀r₀	52	97	7	2500	Nb	10	-	10	3
Pembroke (St. Ann's H.)	1007.7	-2	WSW	3	orr	47	97	7	1500	Nb	10	-	10	4
Ross-on-Wye	1008.4	0	SSE	1	mo+	37	85	4	1500	St	10	-	10	*
Leafield	1009.7	+2	ENE	1	o	35	92	6	2500	St	10	-	10	*
Andover	1010.4	+2	-	0	o	37	92	6	2500	St	10	-	10	4
S. Farnborough	1010.1	+3	E	2	o	36	97	6	1500	St	10	-	10	*
London (Kew Obsy.)	1010.6	+4	ESE	1	o	37	85	5	2500	StCu	10	-	10	*
Croydon	1010.2	+4	E	2	o	35	85	6	1500	St	10	-	10	*
Clacton-on-Sea	1009.1	+3	NNE	2	o	35	92	6	1500	St	10	-	10	1
Shoeburyness	1010.3	+5	NE	1	o	35	85	8	1500	St	10	-	10	*
Grain	1010.3	+3	NE	3	o	36	85	7	1500	St	10	-	10	0
Lympne	1010.1	+3	NE	2	o	35	85	8	2500	St	10	-	10	*
Scilly (St. Mary's)	1011.6	0	W	5	od+	51	97	2	450	St	10	-	10	6
Falmouth (Pendennis)	1010.8	0	W	3	od₀d₀	49	97	6	2500	St	10	-	10	0
Plymouth (Cattewater)	1010.2	0	-	0	ojp	48	92	8	1500	St	10	-	10	0
Portland Bill	1009.3	+4	NW	2	c	47	92	7	4000	CuNb	8	-	8	3
Southampton (Calshot)	1010.3	+3	NE	2	o	39	85	8	2500	StCu	10	-	10	2
Dungeness	1009.8	+5	NNE	3	c-	37	75	8	-	-	0	ASt	8	3
Guernsey	1011.0	+2	W'N	4	o	48	92	7	4000	StCu	3	CiSt	9	1

London Observations

London Observations	Height above M.S.L. in feet	Weather Morning	Weather Afternoon	Weather Night	Max. °F.	Min. °F.	Min. on Grass °F.	Rainfall mm. Day	Rainfall mm. Night	Sunshine to Sunset hrs.	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)	Visibility 9h.
		24 Hours ended 0900 G.M.T. 27th											
Kew	18	r₀d₀m	om	omoms	*	*	32	Tr	9	0.2	*	*	4
Croydon } 24 hours ended 0700	244	or₀r₀c	om	o₂r₀r₀	*	*	32	Tr	7	0.0	*	*	4
Greenwich (Royal Obsy.)	149	o	o	or₀r₀	45	33	32	-	8	0.0	87	95	2
City (Bunhill Row)	80	*	*	*	*	*	*	*	*	0.0	*	*	*
Westminster (St. James' Pk.)	37	*	*	*	47	33	32	8		0.2	75	94	*
Regent's Pk. (Botanic Gdns).	168	*	*	*	*	*	*	*	*	0.0	*	*	*
Camden Square	110	odo	o	*	44	33	31	-	9	*	*	96	*
Kensington Palace	80	oo	oo	*	44	33	31	-	9	*	(At 18h 92)	100	*
Hampstead Observatory	450	*	*	*	44	32	29	?	?			100	*

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 1600 G.M.T. ....

South Kensington			
Max.	Time.	Min.	Time.

Kew Observatory			
Max.	Time.	Min.	Time.

Pole Star Record at Greenwich Obsy.

Exposure from 26th 17 h. 00 m. to 27th 07 h. 00 m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	14 00	0.00	-
δ Ursæ Minoris	14.00	0.00	-

Code for State of Ground.
0 = Dry ground.
1 = Wet ground.
2 = Soft (muddy) wet ground.
3 = Bare ground frozen (but less than 2 ins. deep).
4 = Bare ground frozen (but more than 2 ins. deep).
5 = Dew (or wet grass but not wet ground).
6 = Skating to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7 = Snow (thin layer, often not continuous).
8 = Snow (deep, impeding traffic, usually a continuous layer).
9 = Glazed roads (ice on roads from frozen rain or melted snow).

Radio Disturbances (Atmospherics) at Croydon.¹

Time.	Type.	No. per 4 sec.	Stren.	Direc.
13h.	-	-	-	-
18h.	-	-	-	-
01h.	-	-	-	-
07h.	[illegible]	-	-	-

Table showing the Greenwich Times of Sunrise, Noon, and Sunset for Stations in the United Kingdom.

27th & 28th December, 1923.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	8.6	11.54	3.43
	8.6	11.55	3.44
Greenwich	8.8	12.1	3.55
	8.8	12.2	3.56
Wick	9.5	12.13	3.21
	9.5	12.14	3.22
Valencia	8.51	12.42	4.34
	8.51	12.42	4.35

Beaufort Notation of Weather.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, „ less than 200 m.
m mist, „ 1000—10000 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. r rain. s snow.
rs sleet. t thunder.
u ugly, threatening sky.
v unusual visibility. w dew.
x hoar frost. y dry air.
z dust haze; the turbid atmosphere of dry weather.
h(r) = "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity.
R = heavy rain. r₀ = slight rain.
rr = continuous rain.

SYMBOLS.
< = { less than (for cloud height). before (for precipitation).
⊕ = solar halo. ⩀ = lunar halo.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions, thus:—bc/r = fair weather after rain; − = "decreasing"; + = "increasing."

The Beaufort Scale of Wind is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers, is the speed at about 30 feet above the ground.

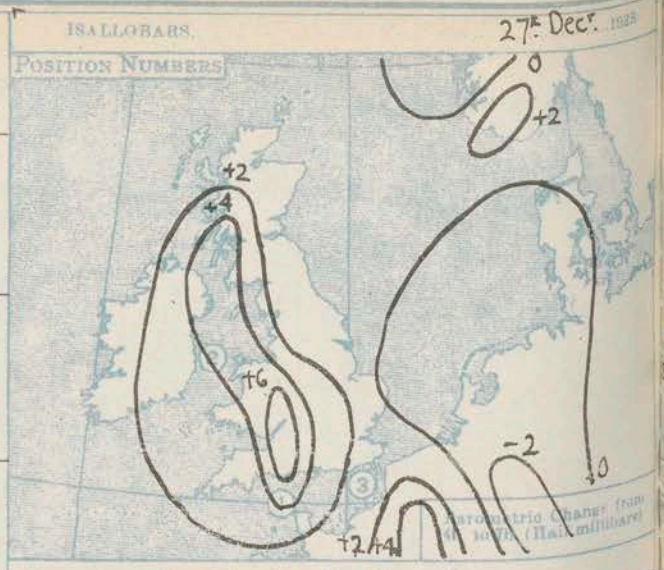
Beaufort No.	Statute miles per hour.
0	Less than 1
1	1- 3
2	4- 7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

Sea Disturbance.
0 = no swell } Calm or slight sea.
1 = mod. swell
2 = heavy swell
3 = no swell } Moderate sea.
4 = mod. swell
5 = heavy swell
6 = rather rough sea
7 = rough sea.
8 = very rough sea.
9 = mountainous sea

¹ For explanation see Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 26th	13h.-18h. 26th	18h. 26th to 1h. 27th	1h.-7h. 27th	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS.	RAINFALL.† Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began.	SUN. 26th Hours.
Lerwick	c	bc	bc	bc	35	32	•	-	0·1	-	01·30	0·3
Stornoway	c	oo	c	oo	36	34	•	-	-	-	-	0·0
Wick	c	oo	oo	oo	36	26	•	-	-	-	-	•
Castlebay	oo	op	oprr₀	r₀r	41	38	•	0·2	3	-	<2100	0·0
Nairn	cg	cgo	ospg	og	29	28	•	-	0·2	-	2200	0·0
Aberdeen	bc.com	ommf	opso	oprso	32	26	26	-	4	-	2200	0·0
Malin Head	c.oz	oDd	Ddbc	bcco	46	36	•	2	1	1530	<2100	0·0
Renfrew	b.omf	off	ors s s	ossof	35	32	32	-	3	-	<2400	0·0
Edinburgh (Inchkeith)	psmm	mmo	os₀s₀	pso	35	33	•	1	1	<0800	2400	0·0
Leuchars	ops₀m	omps₀x	Ompso	ompso	33	29	26	0·3	1	<0800	22·00	0·0
Eskdalemuir	oo	oo	oosm	om	33	30	30	-	2	-	<2400	0·0
Tynemouth	om	off	oms₀s₀	ls₀m	38	33	32	-	1	-	2200	•
Blacksod Point ...	rord	rord	oo	p	50	38	•	0·2	1	-	-	•
Donaghadee	oo	oo	om	e	41	39	•	1	6	1630	<2100	•
Birr Castle	CO	ORR	O	CO	49	44	38	0	1	1430	<2100	0·0
Holyhead	oo	or₀m	ororlmo	oclcb	43	41	40	1	6	1630	<2100	0·0
Liverpool (Bidston) ...	om	oo		r-d	42	33	32	-	4	-	<2100	0·0
Chester (Shotwick) ...	omm	omff	orr₀r₀	o	39	33	30	trace	3	1730	<2100	0·0
Spurn Head	opd	oo	osso	osors	38	33	•	0·5	2	<0800	<2100	0·0
Birmingham (Edgbaston)	ogf	om	oso	com	42	32	32	-	8	-	<2100	0·0
Nottingham	ob	oo	oss	rs₀m	36	32	31	-	5	-	<2100	0·0
Cranwell	omir₀	oo		osm	35	31	30	trace	4	0900	<2100	1·2
Gorleston	or.oq	oq	oq	oq	35	34	31	0·6	-	<0800	-	0·0
Valencia (Cahirciveen)	oor	or	bc	oom	51	47	42	9	1	1230	<2100	0·0
Roches Point	c.o	or₀o	roc	oco	53	47	•	2	1	1430	<2100	•
Pembroke (St. Ann's H.)	oo	orr	oro	c	50	46	•	3	13	1430	<2100	0·0
Ross-on-Wye	d.om	om	rr	oqbeq	47	37	36	0·4	6	<0800	<2100	0·0
Leafield	rr.o.	oo	ossrr	ddffo	45	32	31	0·6	6	<0800	<2100	0·0
Andover	orr.o	oom	omorr	orrrc	47	35	32	0·1	9	1100	<2100	0·4
S. Farnborough ...	orr₀m	oomm	rs₀rs	oomm	46	33	32	0·1	7	0900	<2100	0·1
London (Kew Obsy.) ...	omd₀om	om	omoms	omsom	46	33	32	trace	9	<0800	<2100	0·2
Croydon	or₀r₀cm	om	os₀s₀rsrs	orsrs	45	33	32	trace	7	<0800	<2100	0·0
Clacton-on-Sea ...	ogdc	orem	ogm	ogmd	42	34	32	0·4	2	0900	<2100	0·0
Shoeburyness	oir	oir₀	oor₀rm	or₀rm	45	32	32	0·2	4	<0800	<2100	0·1
Grain	o.cir₀	oo	or₀	orsrs	45	32	32	trace	5	<0800	2400	0·0
Lympne	or₀m	omd₀	orsm	omrrd	46	32	32	0·2	5	<0800	2400	0·1
Scilly (St. Mary's) ...	ogmdo	offdd	orrmq	ocmir₀	51	48	•	0·6	5	<0800	<2100	0·0
Falmouth (Pendennis)	c.o	c.omd	comqr	corco	51	49	•	trace	11	1630	<2100	0·0
Plymouth (Cattewater)	od.o	odo	orr	or	50	47	45	0·6	12	<0800	<2100	0·1
Portland Bill	c	c	r-a	r-d	45	45	•	0·3	5	<0800	<2100	
Southampton (Calshot)	o.bcbr	roo	orr	odd	?	38	37	0·2	10	1100	<2100	1·3
Dungeness	p	oo	cprr	rrdd	45	36	•	1	5	<0800	2200	•
Guernsey	o.c.bcq	o.c.o	rro	oc	51	49	•	-	11	-	<2100	•



Observations from Cross Channel Steamers

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea	Visibility
2	26th 11.00	"Anglia"	N	4	cg	43	43	8
3	27th 0200	"Dieppe"	ESE	2	r₀r₀	41	48	6

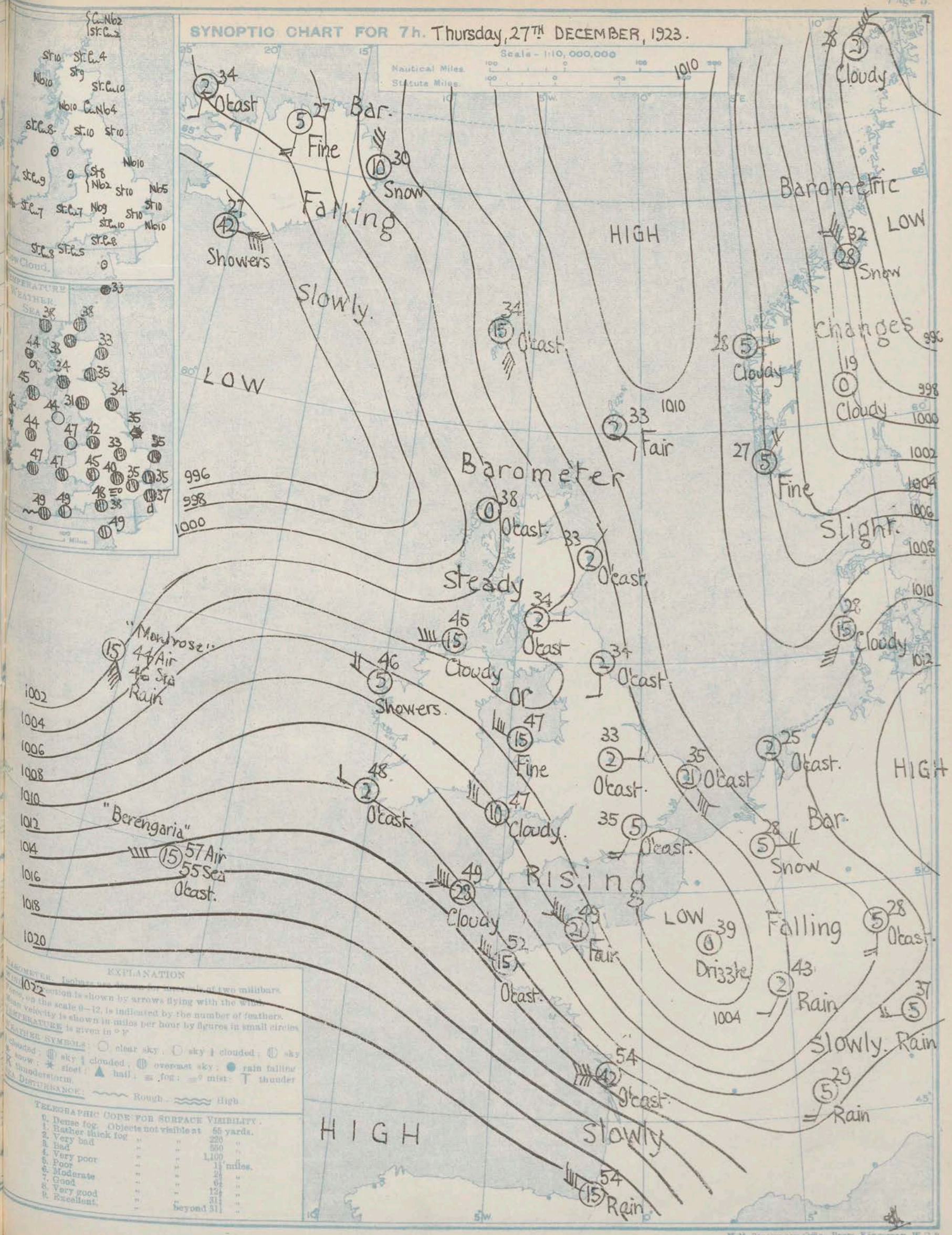
GENERAL INFERENCE.

There continues to be a trough of low pressure between Iceland and Northern France with pressure lowest off S.W. Iceland. There are indications of a secondary disturbance off the west of Ireland. Weather will continue unsettled with further rain or snow in all districts.

Districts.	Forecasts for the 24 hours commencing 15 h. G.M.T. Thursday, 27th December, 1923.	Further Outlook.
1. S.E. England	Wind light, variable, becoming westerly; cloudy, probably some drizzle or sleet; mist or fog; rather cold.	Continuing unsettled. -----
2. E. England 3. E. Midlands	Wind S.E. to E., moderate to light; some sleet; fog locally; rather cold.	
4. W. Midlands	As for 1.	
5. S.W. England 6. South Wales 7. North Wales 8. N.W. England	Wind W., backing S., moderate to strong; cloudy, some rain; visibility moderate; mild.	
9. N. Midlands 10. N.E. England 11. E. Scotland 12. S.W. Scotland 13. Isle of Man	Wind light, variable, freshening from S.E. later; cloudy, some snow or sleet; fog locally; cold.	South Cone still flying.
14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Wind S.E., becoming strong; cloudy, some snow; visibility moderate; cold.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind southerly, becoming N.W. later, strong; rainy; visibility moderate; mild to moderate temperature.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0900 GMT. G. C. SIMPSON, F.R.S., Director.

† For Code see opposite page.



H.M. Stationery Office Press, Kingsway, W.C.2

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. Thursday, 27th December 1923. No. 361.

STATIONS.	Height above M.S.L. in feet.	Observations at 0100 G.M.T. 27th: Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0–12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0–9	Cloud. Height Feet	Low. Form	Low. Amt. 0–10	Upper Form.	Total Amt. 0–10	Observations at 0700 G.M.T. 27th: Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0–12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0–9	Cloud. Height Feet	Low. Form	Low. Amt. 0–10	Upper Form.	Total Amt. 0–10	Sea 0–9
Lerwick	54	1010·6	0	ESE	2	obrs	34	92	6	4000	Nb	10	–	10	1009·4	0	ESE	1	bc jp	33	85	6	4000	CuNb	4	–	4	3
Stornoway	51	1002·1	?	SE	3	0	*	*	4	*	*	*	*	*	1001·8	+1	–	0	0	38	85	7	800	St	10	–	10	0
Wick	81	1004·6	–1	ESE	3	0	38	92	8	1500	St	5	ASt	10	1004·5	0	SE	4	0	39	85	8	4000	StCu	4	ASt	10	3
Castlebay	37	*	*	*	*	*	*	*	*	*	*	*	*	*	1001·0	+1	SE	4	0ir	44	97	7	1500	Nb	10	–	10	5
Nairn	82	*	*	*	*	*	*	*	*	*	*	*	*	*	1003·3	*	–	0	0	32	85	7	1500	St	9	–	9	*
Aberdeen	46	*	*	*	*	*	*	*	*	*	*	*	*	*	1005·1	+1	NNE	1	0	33	97	5	2500	StCu	10	–	10	0
Malin Head	71	999·7	+3	W	5	bc/r	47	85	7	4000	Cu	5	–	5	1002·6	+2	N	4	c	45	85	8	5700	StCu	8	–	8	1
Renfrew	38	*	*	*	*	*	*	*	*	*	*	*	*	*	1004·1	+4	E	1	o/sh	34	97	3	800	Nb	10	–	10	*
Edinburgh (Inchkeith)	190	1003·3	–2	ESE	1	osslr	34	92	6	*	Nb	10	–	10	1004·0	+1	–	0	mbr	35	85	6	*	CuNb	4	ACu	10	0
Leuchars	36	*	*	*	*	*	*	*	*	*	*	*	*	*	1004·0	+1	–	0	0	32	97	6	4000	StCu	10	–	10	*
Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	1004·4	+1	ENE	1	0	31	85	5	1500	St	10	–	10	*
Tynemouth	118	1004·3	–2	S	1	osslr	34	97	6	800	St	10	–	10	1004·4	0	S	1	o/sh	34	97	5	800	St	10	–	10	1
Blacksod Point	10	1005·9	+2	W	2	0	47	92	5	*	*	*	*	10	1007·5	+1	NW	2	obr	46	85	7	*	*	*	*	10	4
Donaghadee	35	*	*	*	*	*	*	*	*	*	*	*	*	*	1003·9	+4	W	2	b	44	85	8	–	–	0	–	0	2
Birr Castle	175	*	*	*	*	*	*	*	*	*	*	*	*	*	1008·3	*	SW	1	0–	44	97	6	4000	StCu	9	–	9	*
Holyhead	26	1004	0	NNW	6	o/r	48	92	8	2500	StCu	10	–	10	1005·7	+4	W'N	4	b⊕	47	85	8	–	–	0	CuSt	3	3
Liverpool (Bidston)	189	*	*	*	*	*	*	*	*	*	*	*	*	*	1004·2	+2	W	3	o/r	42	97	6	2500	St	10	–	10	*
Chester (Shotwick)	16	*	*	*	*	*	*	*	*	*	*	*	*	*	1003·9	+5	NNW	6	0	45	85	7	2500	StCu	10	–	10	*
Spurn Head	26	1007·7	–4	S	5	os	33	97	7	2500	Nb	10	–	10	1004·9	+1	SE	5	ossrs	35	92	7	4000	Nb	10	–	10	4
Birmingham (Edgbaston)	625	*	*	*	*	*	*	*	*	*	*	*	*	*	1005·0	+5	W	3	mo–	38	97	5	2500	Cu	10	–	10	*
Nottingham	82	*	*	*	*	*	*	*	*	*	*	*	*	*	1004·3	+3	E	1	0	33	97	4	1500	St	10	–	10	*
Cranwell	237														1004·8	+2	SE'E	3	ossrs	32	97	6	800	Nb	10	–	10	*
Gorleston	13	1008·3	–1	S'E	5	0	36	85	7	–	–	0	CuSt	10	1006·5	–1	SSE	5	0	35	92	7	4000	Nb	5	ASt	10	1
Valencia (Cahirciveen)	30	1009·8	+3	S'W	3	bc–	49	97	8	–	–	0	ACu	5	1011·5	+1	WN	1	0	48	92	6	1500	St	10	–	10	5
Roches Point	32	*	*	*	*	*	*	*	*	*	*	*	*	*	1010·9	+3	SW'W	1	0	47	92	8	4000	StCu	7	ACu	9	0
Pembroke (St. Ann's H.)	149	1007·4	+2	W	4	o/r	48	92	8	2500	St	10	–	10	1008·5	+2	NNW	3	c–	47	92	8	4000	StCu	7	–	7	4
Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	1005·7	+6	NNW	3	c⊕	45	75	8	4000	StCu	1	Cu	7	
Leafield	556	*	*	*	*	*	*	*	*	*	*	*	*	*	1004·9	+4	NW	4	o/r	40	97	5	4000	Nb	9	–	9	
Andover	295	*	*	*	*	*	*	*	*	*	*	*	*	*	1005·7	+4	WNW	3	c⊕	40	92	7	4000	StCu	1	CuSt	7	*
S. Farnborough	230	*	*	*	*	*	*	*	*	*	*	*	*	*	1004·8	+3	–	0	mor	38	97	4	1500	StCu	10	–	10	*
London (Kew Obsy.)	18	*	*	*	*	*	36	*	*	*	*	*	*	*	1004·5	+3	SSW	2	o/sh	35	97	4	1500	St	10	–	10	*
Croydon	244	1005·1	–6	SSE	4	ossrs	33	97	6	800	Nb	10	–	10	1004·6	+3	–	0	0	36	97	6	800	Nb	10	–	10	*
Clacton-on-Sea	54	*	*	*	*	*	*	*	*	*	*	*	*	*	1004·4	0	ESE	4	oD–	35	97	6	1500	St	10	–	10	1
Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	1005·0	+1	S	1	or.c	34	85	6	450	Nb	10	–	10	0
Grain	20	*	*	*	*	*	*	*	*	*	*	*	*	*	1004·9	0	ESE	3	ors–	34	97	5	800	Nb	10	–	10	
Lympne	350	1006·1	–4	SSE	3	ossrs	33	97	6	800	Nb	10	–	10	1004·8	+1	SE	3	orr	34	97	4	225	Nb	10	–	10	
Scilly (St. Mary's)	131	1008·7	0	NNW	7	or–	51	97	4	2500	Nb	10	–	10	1011·7	+2	NNW	6	c/r	49	97	7	4000	StCu	8	–	8	6
Falmouth (Pendennis)	206	1008·2	–2	NNW	6	orr	52	92	6	4000	Nb	10	–	10	1010·3	+2	NNW	4	bc/r	49	85	7	5700	StCu	5	–	5	0
Plymouth (Cattewater)	82	*	*	*	*	*	*	*	*	*	*	*	*	*	1009·3	+3	NN	4	0	49	85	8	1500	St	10	–	10	4
Portland Bill	19	1002·5	–6	W	3	orr	50	92	7	2500	Nb	10	–	10	1007·1	+6	NN	3	c–	48	92	7	4000	StCu	8	–	8	4
Southampton (Calshot)	12	1002·7	–9	SE'E	4	odd	43	97	6	800	Nb	10	–	10	1005·5	++	W	4	c/r	45	85	7	2500	CuNb	1	Cu	7	3
Dungeness	21	1007·1	–2	SW	4	orr	37	92	7	4000	Nb	10	–	10	1003·7	+1	SE	3	oDD	37	97	6	4000	Nb	10	–	10	0
Guernsey															1008·1	+3	NW	5	bc–	49	97	7	–	–	0	CuSt	6	4

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 26th Dec.

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 25–26th °F.	Temperature. Max. Day. 26th °F.	Rainfall.† Night 17h.–9h. 25–26th mm.	Rainfall.† Day 9h.–17h. 26th mm.	Sunshine.	Sunshine. Sunrise to Sunset. 26th hr.
Montrose	fs.cm	omx	30	34	6	–		0·0
Berwick-on-Tweed	s.ouz	oprsu	30	37	5	0·2		0·0
Llandudno	om	om	39	40	5	–		0·0
Colwyn Bay	c	c	38	44	7	–		0·0
Rhyl	c.	c.or	36	42	7	–		0·0
Southport	bmco	mo	32	36	13	–		0·0
Blackpool	or	oo	32	36	12	–		0·0
Ilkley	om	om	30	37	8	–		0·0
Harrogate	o	of	29	35	7	–		0·0
Skegness	o	o	32	37	9	–		0·0
Aberystwyth	r.o.c.	o	40	45	9	–		0·0
Bath	cbco	o	39	48	12	Trace		0·1
Leamington Spa	o	o	30	38	9	–		0·0
Lowestoft	o	o	32	36	10	–		0·0
Felixstowe	omd	om	33	37	20	1		0·0
Southend	m.c.o	o.c.	36	48	8	–		0·0
Ilfracombe	o	or	45	51	7	1		0·0
Bude	odd	ddorr	47	50	4	2		0·0
Torquay	c	c	45	52	3	–		0·1
Weymouth	c.o	o	40	49	11	0·1		0·0
Bournemouth	bc	bc	45	49	3	–		1·1
Portsmouth (S'thsea)	c.o	o	41	49	9	–		0·3
Littlehampton	o.c.	o.cm	41	48	15	–		0·2
Worthing	c.o	o	41	48	12	–		0·0
Brighton	od	o	32	46	13	0·2		0·3
Eastbourne	o	o	40	48	16	–		0·1
Hastings	odmc	bc.c.om	39	48	15	0·2		0·4
Folkestone	o	o	34	49	13	–		0·0
Dover	omcd	do	36	46	17	Trace		0·2
Tunbridge Wells	o.c.o	o	35	46	10	–		0·1
Ramsgate	bc.	bc.o.	34	39	6	–		0·3
Margate	o	o	33	40	9	–		0·0
Deal	r.o	o	33	44	12	–		0·0

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* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. § For code see page 3. ‡ See footnote page 1

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.22,681 Friday, 28th December 1923.

Observations at 1300 G.M.T. 27th

STATIONS. (For heights see p.4).	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	State of ground.
Lerwick	1008·6	−1	SSE	1	c	36	75	7	5700	StCu	5	ASt	8	*
Stornoway	1000·2	−2	–	0	o	37	92	7	800	St	10	–	10	*
Wick	1002·3	−4	SSE	5	orhrh	37	97	7	1500	St	10	–	10	*
Castlebay	1000·9	0	W	3	opr.	46	75	7	1500	St	10	–	10	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1004·3	−2	SW	1	om−	35	97	5	1500	StCu	10	–	10	7
Malin Head	1002·5	−2	vSW	2	o	45	92	8	2500	St	9	ASt	10	*
Renfrew	1004·3	−2	–	0	o	34	97	2	1500	St	10	–	10	8
Edinburgh (Inchkeith)	1004·5	−2	–	0	mmo	35	85	4	*	–	0	CiSt	7	*
Leuchars	1004·1	−2	–	0	o	33	97	5	5700	StCu	10	–	10	8
Eskdalemuir	1005·2	−1	SW	2	o	33	92	5	450	St	10	–	10	7
Tynemouth	1005·3	−1	S	1	o	34	97	5	800	St	10	–	10	*
Blacksod Point	1002·1	−10	SE	3	o	46	85	7	*	*	*	*	10	*
Donaghadee	1005·7	−1	W	3	c+	43	75	8	800	St	8	–	8	*
Birr Castle	1007·6	*	SW	1	o	46	92	7	4000	Nb	9	–	9	*
Holyhead	1006·9	−2	WS	4	o	46	92	7	4000	St	5	ACu	9	2
Liverpool (Bidston)	1006·0	+1	WS	4	c−	43	92	6	2500	St	5	ACu	7	*
Chester (Shotwick)	1006·8	+1	W	4	o	46	85	7	7200	StCu	9	ASt	10	2
Spurn Head	1006·5	−1	SW	2	o	34	97	5	1500	St	10	–	10	*
Birmingham (Edgbaston)	1007·5	+1	WSW	3	c−	44	75	6	–	–	0	ASt	8	2
Nottingham	1007·0	−1	SSW	1	fo+	34	97	2	800	St	10	–	10	*
Cranwell	1007·8	+2	WS	1	mmo	33	97	5	800	St	10	–	10	7
Gorleston	1008·8	+1	S	2	mmo	36	92	5	1500	St	10	–	10	*
Valencia (Cahirciveen)	1006·5	−8	SW	5	o/r	53	92	7	800	St	10	–	10	2
Roches Point	1003·6	−4	SSW	3	o	48	97	6	1500	St	10	–	10	*
Pembroke (St. Ann's H.)	1010·1	0	WN	4	dp	46	85	7	2500	Nb	7	–	7	*
Ross-on-Wye	1008·5	+0	W	2	o−	47	75	9	2500	Nb	8	ASt	10	2
Leafield	1007·9	+2	WSW	3	c+	45	85	8	4000	StCu	4	CiCu	7	*
Andover	1009·1	+3	WN	4	c	47	75	7	2500	StCu	3	Ci	8	1
S. Farnborough	1008·9	−2	WN	3	o	45	85	7	2500	StCu	10	–	10	2
London (Kew Obsy.)	1008·6	+2	–	0	o	42	92	4	1500	St	10	–	10	1
Croydon	1009·1	+3	NNW	1	omm	41	97	4	800	Nb	10	–	10	2
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1008·4	+2	WN	2	oro	36	85	4	450	St	10	–	10	*
Grain	1009·9	+3	NW	2	mmo	36	97	*	450	St	10	–	10	2
Lympne	1008·0	+3	NW	3	o	37	97	4	220	St	9	ASt	10	2
Scilly (St. Mary's)	1013·6	+1	W	3	ododo	50	97	5	1500	Nb	10	–	10	*
Falmouth (Pendennis)	1012·4	0	W	3	o+	50	85	7	5700	StCu	9	–	9	*
Plymouth (Cattewater)	1011·8	+0	WNW	3	c−	51	75	7	2500	St	2	ACu	7	1
Portland Bill	1010·2	+2	WNW	2	o−	48	92	7	4000	StCu	5	ACu	9	*
Southampton (Calshot)	1009·7	+2	W	3	c−	47	75	8	4000	Cu	3	CiCu	8	1
Dungeness	1008·4	+4	NW	2	mo	39	97	5	2500	St	10	–	10	*
Guernsey	1012·5	+0	WNW	4	o+	49	92	7	2500	St	1	ASt	9	*

Observations at 1800 G.M.T. 27th

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Pos.
Lerwick	1005·7	−3	SSE	1	o	36	75	7	–	–	0	A.St	9	0
Stornoway	996·9	−3	–	0	o	36	97	7	800	St.	10	–	10	0
Wick	999·9	−3	SSE	4	o/r	38	92	8	1500	St.	10	–	10	3
Castlebay	997·8	−3	–	0	o	43	92	7	1500	St.	10	–	10	3
Nairn	998·4	*	–	0	o+	34	92	7	1500	St.	10	–	10	*
Aberdeen	1000·7	−4	S	1	orr	35	92	5	1500	Nb	10	–	10	0
Malin Head	997·5	−6	SE	1	orr	40	97	7	4000	Nb	8	A St	10	1
Renfrew	1000·7	−3	–	0	orro	33	97	2	1500	Nb	10	–	10	*
Edinburgh (Inchkeith)	1000·4	−4	–	0	mmo	36	92	5	*	–	0	A.St	10	0
Leuchars	999·7	−6	–	0	o	32	97	5	2500	St.	10	–	10	*
Eskdalemuir	1001·6	−3	SE	2	orro	32	97	5	450	Nb	10	–	10	*
Tynemouth	1002·5	−4	SW	1	o/f	35	97	4	800	St	10	–	10	0
Blacksod Point	993·1	−7	WSW	5	o/r	51	97	6	*	*	*	*	10	7
Donaghadee	1001·9	−2	SW	2	orro	40	97	6	800	St.	10	–	10	0
Birr Castle	996·9	*	SSW	2	ODD	51	97	5	2500	Nb	10	–	10	*
Holyhead	1000·4	−7	SE	4	orro	45	97	6	1500	Nb	10	–	10	1
Liverpool (Bidston)	1002·4	−4	SWS	2	orro	40	97	8	2500	Nb	10	–	10	2
Chester (Shotwick)	1003·2	−5	–	0	o/r	42	92	5	1500	St	10	–	10	*
Spurn Head	1004·0	−3	S	3	fo+	35	97	2	1500	St.	10	–	10	2
Birmingham (Edgbaston)	1004·6	−4	SSW	3	orro	43	85	6	1500	Nb	10	–	10	*
Nottingham	1004·4	−3	SSW	2	ododo	38	97	5	1500	Nb	10	–	10	*
Cranwell	1005·5	−2	SW	3	orr	37	97	6	1500	Nb	10	–	10	*
Gorleston	1008·6	0	SW	3	mmo	35	92	6	1500	St.	10	–	10	1
Valencia (Cahirciveen)	999·4	−9	SWW	6	o/r	53	92	6	800	St.	10	–	10	–
Roches Point	1000·9	−7	SW	4	ododo	51	97	6	1500	Nb	10	–	10	6
Pembroke (St. Ann's H.)	1004·2	−5	SW	4	OD	48	97	5	450	Nb	10	–	10	4
Ross-on-Wye	1004·7	−6	SW	3	o	46	85	7	2500	St.	10	–	10	*
Leafield	1005·7	−4	SW	2	o+	42	97	6	1500	St.	10	–	10	*
Andover	1007·4	−2	SSW	3	o	44	97	7	1500	St.Cu	10	–	10	4
S. Farnborough	1007·1	−2	WSW	3	o	44	92	7	1500	St.Cu	10	–	10	*
London (Kew Obsy.)	1007·1	−3	SSW	2	o	44	85	5	1500	St.	10	–	10	*
Croydon	1008·1	−2	SWW	2	o	43	85	5	800	St	10	–	10	*
Clacton-on-Sea	1007·5	−1	SSW	2	mmo	37	97	5	800	St.	10	–	10	1
Shoeburyness	1007·0	−1	SSW	1	fo+	38	85	2	450	St.	10	–	10	*
Grain	1007·6	−2	S	2	ffo	40	97	3	450	St.	10	–	10	0
Lympne	1008·6	−1	W	2	ffo	38	97	1	2150	St.	10	–	10	*
Scilly (St. Mary's)	1009·2	−4	W	6	ODD	51	97	4	1500	Nb	10	–	10	5
Falmouth (Pendennis)	1008·7	−3	WSW	4	ododo	50	97	6	2500	Nb	10	–	10	0
Plymouth (Cattewater)	1007·7	−5	SW	3	orro	48	97	6	2150	Nb	10	–	10	0
Portland Bill	1007·6	−4	WSW	3	orr	48	92	7	2500	Nb	10	–	10	4
Southampton (Calshot)	1008·3	−2	SW	3	o/r	46	92	7	2500	St.Cu	10	–	10	0
Dungeness	1008·4	+1	NW	2	mo−	42	92	6	2500	St?	10	–	10	3
Guernsey	1010·9	−2	W	3	ododo	48	97	5	2500	Nb	10	–	10	1

LONDON OBSERVATIONS

	Height above M.S.L. in feet.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Temperature. Max. °F.	Temperature. Min. °F.	Temperature. Min. on Grass. °F.	Rainfall. mm. Day.	Rainfall. mm. Night.	Sunshine to Sunset, hrs.	Humidity. 15h. G.M.T. %	Humidity. 9h. G.M.T. %	Visibility 9h.
		24 Hours ended 0900 G.M.T. 28th								Yesterday.	To-day.		
Kew													
Croydon } 24 hours ended 0700	15	om	om	oromC	*	*	41	–	2	00	*	*	6
Greenwich (Royal Obsy.)	244	om	om	omrr	*	*	41	–	3	0.0			6
City (Bunhill Row)	149	o	o	ord	50	36	34	–	2	0.0	96	91	4
Westminster (St. James' Pk.)	80	*	*	*	*	*	*	*	*	0.0	*	*	*
Regent's Pk. (Botanic Gdns).	27	*	*	*	50	34	35		2		92	91	*
Camden Square	168	*	*	*	*	*	*	*	*	0.0	*	*	*
Kensington Palace	110	oofo	ood	*	50	36	33	–	2	*	*	94	*
Hampstead Observatory	80	o	o	*	50	33	29	02	2	*	(At 18h 92		*
	450	*	*	*	48	34	30	1	3		84	100	*

ATMOSPHERIC POLLUTION.
Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 1800 G.M.T. 27th

South Kensington Max.	Time.	Min.	Time.
–	–	–	–

Kew Observatory Max.	Time.	Min.	Time.
–	–	–	–

POLE STAR RECORD at Greenwich Obsy.

Exposure from 27th ..... 17 h. 00 m. to 28th ..... 07 h. 00 m.

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	14·00	0.0	–
δ Ursae Minoris	14·00	0.0	–

CODE FOR STATE OF GROUND.
0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.[1]

Time.	Type.	No. per 4 sec.	Stren.	Direc.
13h.	–	–	–	–
18h.	–	–	–	–
01h.	–	–	–	–
07h.	–	–	–	–

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.

28th–29th December, 1923.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	8·6	11·55	3·44
	8·6	11·55	3·45
Greenwich	8·8	12·2	3·56
	8·8	12·2	3·57
Wick	9·5	12·14	3·22
	9·5	12·14	3·23
Valencia	8·51	12·43	4·35
	8·51	12·43	4·36

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, „ less than 200 m.
m mist, „ 1000—10000 m.
h hail. i intermittent.
ip precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. r rain. s snow.
rs sleet. t thunder.
u ugly, threatening sky.
v unusual visibility. w dew.
x hoar frost. y dry air.
z dust haze; the turbid atmosphere of dry weather.
h(r)="hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity.
R = heavy rain. r_o = slight rain. rr = continuous rain.

SYMBOLS.

< = { less than (for cloud height), before (for precipitation).
⊕ = solar halo. ☽ = lunar halo.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions, thus:—bc/r = fair weather after rain; − = "decreasing"; + = "increasing."

The BEAUFORT SCALE of WIND is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers, is the speed at about 30 feet above the ground.

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1–3
2	4–7
3	8–12
4	13–18
5	19–24
6	25–31
7	32–38
8	39–46
9	47–54
10	55–63
11	64–75
12	Above 75

SEA DISTURBANCE.

0=no swell } Calm or slight sea.
1=mod. swell
2=heavy swell
3=no swell } Moderate sea.
4=mod. swell
5=heavy swell
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea

[1] For explanation see Introduction.

* Information for these columns not usually received.

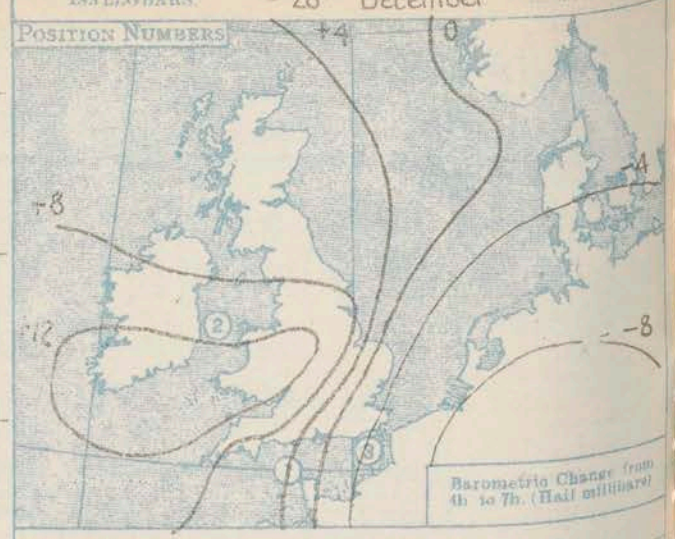
‡ The barometric change is expressed in half millibars.

§ For code see page 3

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 27th	WEATHER. 13h.-18h. 27th	WEATHER. 18h. 27th to 1h. 28th	WEATHER. 1h.-7h. 28th	TEMPERATURE. MAX. Day. 7h.-18h.	TEMPERATURE. MIN. Night. 18h.-7h.	TEMPERATURE. MIN. on GRASS.	RAINFALL.† Day. 7h.-18h. mm.	RAINFALL.† Night. 18h.-7h. mm.	RAINFALL.† Precipitation began.	RAINFALL.† Precipitation began.	SUN. 27th Hours.
Lerwick	c	00	cpsh	bc	37	32	•	-	0.1	-	2200	0.5
Stornoway	oo	oo	b.bc	oo	39	34	•	-	-	-	-	0.0
Wick	orhrh	oir	oir	oiro	39	38	•	3	2	1100	2200	•
Castlebay	rop	opo	obcW	copbc	46	40	•	0.3	1	-	-	0.0
Nairn	ogm	odgm	ogrr	do	34	34	•	0.2	1	1530	<2100	0.0
Aberdeen	omfm	omrr	orrmo	oorr	35	33	31	0.6	4	1730	<2100	0.0
Malin Head	oo	orr	rrRr	cobc	48	38	•	3	15	1530	<2100	0.0
Renfrew	off	offro	orff	oform	34	31	27	1	trace	1630	-	0.0
Edinburgh (Inchkeith)	mm	mmo	F	mO	36	32	•	trace	0.2	-	-	0.0
Leuchars	om	omom	omo	oo	34	27	24	-	-	-	-	0.0
Eskdalemuir	om	oferm	oirm	oo	33	31	32	0.1	0.4	1730	<2100	0.0
Tynemouth	om	offm	oom	omd	35	34	33	-	0.1	-	-	•
Blacksod Point	f-m	r-d	p	p	51	40	•	3	3	-	-	•
Donaghadee	co	lrm	omr	c	45	39	•	3	17	1530	<2100	•
Birr Castle	co	ODD	odd	co	51	38	36	1	1	1430	<2100	0.0
Holyhead	bcco	lirm	oridirm	ocbc	46	41	41	1	11	1330	<2100	0.0
Liverpool (Bidston)	c	r-d	r-d		44	37	35	1	8	1730	<2100	0.0
Chester (Shotwick)	oo	orm	ora	orrpre	47	38	35	0.5	9	1530	<2100	0.1
Spurn Head	oo	osso	ffodr	ffora	36	35	•	-	10	-	<2100	0.0
Birmingham (Edgbaston)	om	coro	oror	oiro	44	36	35	trace	5	-	<2100	0.0
Nottingham	f-m	f-m	dr	oR	38	36	34	trace	13	1730	<2100	0.0
Cranwell	omfmo	ompro	ordm	omro	37	34	33	trace	16	1730	<2100	0.0
Gorleston	om	om	[illegible]	[illegible]	36	35	34	-	8	-	<2100	0.0
Valencia (Cahirciveen)	omro	oiro	oofo	cbc	34	47	42	3	3	1100	<2100	0.0
Roches Point	odome	dodom	d/o	oc	53	44	•	1	0.6	1100	<2100	
Pembroke (St. Ann's H.)	c	oiD	r-d	[illegible]	49	44	•	1	5	1530	<2100	0.0
Ross-on-Wye	oo	oco	oid	[illegible]	47	41	39	-	0.4	-	<2100	0.0
Leafield	oco	bcoog	odd	[illegible]	46	38	34	-	2	-	<2100	1.2
Andover	c	coopr	omorr	oodd	48	43	41	trace	2	1630	2400	0.9
S. Farnborough	oo	ocmd	orr	[illegible]	46	39	39	-	1	-	<2100	0.4
London (Kew Obsy.)	om	omr	omromr	omcomp	45	44	41	-	2	-	<2100	0.0
Croydon	om	omr	omrro	orro	44	43	41	-	3	-	<2100	0.0
Clacton-on-Sea	ogde	ogme	ogmed	ogmd	37	36	36	0.6	4	2030	2200	0.0
Shoeburyness	orom	omrmo	oform	dirq	38	37	37	0.4	2	2030	2200	0.0
Grain	oirom	omf	odr	oprmo	40	39	38	0.2	2	2030	2200	0.0
Lympne	orfdm	of	ofrr	ofrr	38	38	36	0.4	4	-	<2100	0.0
Scilly (St. Mary's)	omd	offad	omgr	omgr	51	49	•	1	2	2030	<2100	0.0
Falmouth (Pendennis)	co	omd	comr	omdr	51	49	•	1	5	1430	<2100	0.2
Plymouth (Cattewater)	bc	orr	orr	orr	51	48	44	1	6	1430	<2100	2.1
Portland Bill	c	c	f-m	[illegible]	49	47	•	trace	1	1730	<2100	•
Southampton (Calshot)	co	cdo	[illegible]	[illegible]	[illegible]	42	43	trace	2	1630	<2100	0.7
Dungeness	oof	mm	mmd	[illegible]	43	42	•	0.2	3	2030	<2100	•
Guernsey	cm	omdmd	[illegible]	[illegible]	51	48	•	0.1	6	1730	2200	•

ISALLOBARS. - 28th December 1923



Observations from Cross Channel Steamers.

Position	Date and Time	Steamship	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility
2	27th 1000	Anglia	NNW	4	0	46	48	8
1	- 1200	Ibex	NN	6	0+	50	50	7
3	28th 0200	Brighton	SW'N	7	d.d.	49	46	7

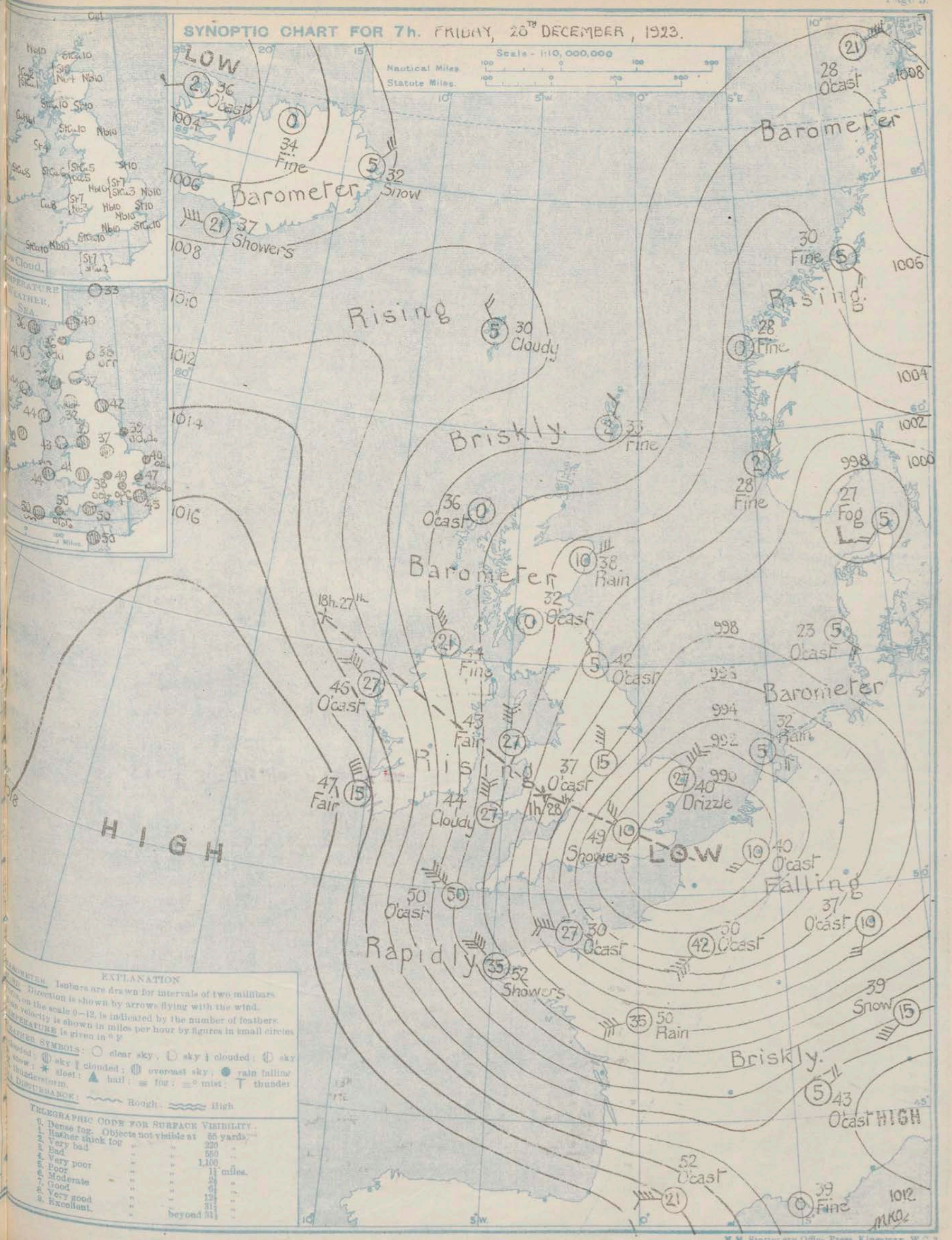
GENERAL INFERENCE.

A depression which crossed the British Isles during the night is now centred over Holland and moving away southeastward. A new depression far to the westward is separated from our area by a wedge of high pressure. Winds will be temporarily northerly, a gale at first in the Channel. Weather will become fair apart from local showers of rain, sleet or snow with a falling temperature.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Friday, 28th December, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands	Wind northerly, fresh or strong; some showers of rain or sleet at first, fairer later; visibility poor, improving; colder.	None issued.
4. W. Midlands 5. S.W. England 6. South Wales	Wind N.W., strong to a gale, moderating; occasional showers, considerable fair periods; visibility good; colder.	
7. North Wales 8. N.W. England 9. N. Midlands	Wind northerly, moderate or fresh, becoming light; fair apart from local showers of rain or snow; some mist inland; colder.	South Cone still flying.
10. N.E. England 11. E. Scotland	Wind N.E. or N., light; cloudy, some drizzle or sleet; visibility moderate; colder.	
12. S.W. Scotland 13. Isle of Man	Wind northerly, light or moderate; variable sky, local showers of snow or sleet; some mist; colder.	South Cone hoisted 1620 27.12.23.
14. N.& N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Light variable winds; mainly fair but local snow showers; some mist; colder.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind N.W. or N., strong at first, moderating and backing later; some showers, considerable fair periods; visibility good; colder temporarily.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0910 GMT. G. C. SIMPSON, F.R.S., Director.

† For Code see opposite page.



H.M. Stationery Office Press Kingsway, W.C.2

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION Friday 28th December 1923. No. 362.

Observations at 0100 G.M.T. 28th

STATIONS.	Height above M.S.L. in feet	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10
Lerwick	54	1005.6	+1	ENE	2	bcjp	34	85	6	4000	CuNb	4	A Sr	5
Stornoway	51	1004	?	N	1	b	•	•	6	•	•	•	•	•
Wick	81	999.5	+1	ESE	3	oc	39	97	8	1500	Sr	10	-	10
Castlebay	37	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	46	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	71	996.3	+6	NE	4	o/r	43	92	8	4000	Nb	5	A Sr	10
Renfrew	38	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	190	997.6	-3	NNE	2	mo-	34	92	6	•	-	0	A Sr	10
Leuchars	36	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	794	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	118	996.6	-3	SW	1	o	36	97	4	800	Sr	10	-	10
Blacksod Point	10	999.2	+12	N	8	o	45	73	6	•	•	•	•	10
Donaghadee	35	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	175	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	26	989.3	-3	N	5	o/r	50	97	8	2500	SrCu	10	-	10
Liverpool (Bidston)	189	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick)	16	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	26	994.1	-9	SE	3	fo+	38	97	2	220	Sr	10	-	10
Birmingham (Edgbaston)	525	•	•	•	•	•	•	•	•	•	•	•	•	•
Nottingham	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	237	993.0	-12	SSE	2	ffo	35	97	2	<150	Sr	10	-	10
Gorleston	13	993.9	-6	SSE	4	odd	38	97	3	2500	Nb	10	-	10
Valencia (Cahirciveen)	30	999.0	+9	N	6	odd	50	97	6	•	Sr	10	-	10
Roches Point	32	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	149	993.5	-4	NNW	6	ORR	48	97	7	1500	Nb	10	-	10
Ross-on-Wye	223	•	•	•	•	•	•	•	•	•	•	•	•	•
Leafield	556	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	295	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough	230	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.)	18	•	•	•	•	•	49	•	•	•	•	•	•	•
Croydon	244	994.1	-14	SW	4	ORR	48	97	7	450	Nb	8	Sr	10
Clacton-on-Sea	54	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	11	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	20	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	350	994.9	-13	WSW	5	ORR	46	97	2	<150	Nb	10	-	10
Scilly (St. Mary's)	131	997.8	-6	SW	8	orr	49	97	6	2500	Nb	10	-	10
Falmouth (Pendennis)	200	995.8	-8	W	7	ORR	51	92	6	2500	Nb	10	-	10
Plymouth (Cattewater)	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	19	994.4	-14	WSW	5	or	50	92	7	2500	Nb	10	-	10
Southampton (Calshot)	12	993.3	-12	WSW	5	orr	49	97	6	800	Nb	10	-	10
Dungeness	21	993.5	-16	SW	4	ooo	46	97	4	800	Nb	10	-	10
Guernsey														

Observations at 0700 G.M.T. 28th

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1009.1	+3	NNE	1	b	33	92	7	4000	Cu	1	-	1	0
Stornoway	1007.2	+6	-	0	0	36	92	7	800	Nb	10	-	10	3
Wick	1005.9	+6	ENE	3	o	40	85	8	4000	SrCu	10	-	10	3
Castlebay	1007.9	+5	N	3	b-	41	92	9	2500	Cu	3	-	10	•
Nairn	1005.8	•	-	0	odd	36	85	8	1500	Sr	10	-	10	1
Aberdeen	1003.8	+6	ENE	3	orr	36	92	7	1500	Nb	10	-		
Malin Head	1007.6	+6	NNW	5	b	44	85	8	5700	CuNb	1	CiCu	2	4
Renfrew	1005.7	+7	-	0	o	32	97	4	2500	SrCu	10	-	10	•
Edinburgh (Inchkeith)	1004.1	+6	N	2	o/f	37	85	7	•	Sr	10	-	10	1
Leuchars	1003.2	+8	NNW	3	o	34	85	7	4000	SrCu	10	-	10	•
Eskdalemuir	1004.5	+6	NE	2	o	34	85	6	1500	SrCu	10	-	10	•
Tynemouth	1000.5	+7	NNW	2	o/r	42	85	6	800	Nb	10	-		
Blacksod Point	1012.8	+9	NW	6	o	46	75	6	•	•	•	•	10	7
Donaghadee	1005.7	+8	NNW	3	bc-	44	85	8	450	Sr	4	-	3	•
Birr Castle	1011.0	•	SW	1	c-	40	97	4	2500	SrCu	8	-	6	3
Holyhead	1004.7	+9	N	6	bci	43	85	8	2500	SrCu	6	-	10	4
Liverpool (Bidston)	1002.4	+10	NNW	3	o/r	39	92	7	2500	SrCu	10	-	10	•
Chester (Shotwick)	1002.5	+9	NNW	5	c-	39	85	8	2500	Sr	3	-		
Spurn Head	996.5	+4	NW	5	odd	39	97	6	1500	Sr	10	-	10	2
Birmingham (Edgbaston)	999.3	+6	NNW	5	od	37	97	6	1500	Nb	10	-	10	•
Nottingham	997.7	+4	N	4	o	37	97	5	1500	Nb	10	-	10	•
Cranwell	997.1	+10	N	5	o/r	36	97	7	1500	Sr	10	-	10	1
Gorleston	999.9	-3	NNW	6	od	40	97	6	2500	Nb	10	-		
Valencia (Cahirciveen)	1017.0	+13	NNW	4	bc	47	75	7	1800	Sr	5	-	5	6
Roches Point	1016.3	+7	NNW	7	c	44	92	8	4000	SrCu	3	Ci	7	6
Pembroke (St. Ann's H.)	1005.1	+15	N	6	o/r	44	85	8	2500	Cu	8	-	10	•
Ross-on-Wye	999.2	+15	N	5	o	41	85	6	2500	Sr	10	-	10	•
Leafield	996.6	+12	NW	4	od+	38	97	4	5700	Nb	10	-		
Andover	993.9	+6	NW	5	odd	49	92	7	800	Nb	10	-	10	•
S. Farnborough	992.5	+8	NNW	6	odd	44	97	7	1500	Nb	10	-	10	•
London (Kew Obsy.)	991.3	+4	NW	3	oprs	49	97	6	1500	Nb	10	-	10	•
Croydon	991.4	+3	NW	3	ors	48	97	6	450	Nb	10	-		
Clacton-on-Sea	989.9	-2	NNW	2	odd	47	97	5	2500	Sr	10	-	10	1
Shoeburyness	990.3	-3	NW	1	ors	48	85	8	800	Sr	10	-	10	•
Grain	990.4	-2	NNW	5	or	48	97	6	1500	Nb	10	-	10	0
Lympne	989.5	-2	NNW	4	ors	47	97	7	800	Nb	10	-		
Scilly (St. Mary's)	1004.7	+11	NW	9	o	50	92	7	4000	SrCu	10	-	10	7
Falmouth (Pendennis)	1007.3	+6	NW	7	ors	50	97	7	2500	Nb	10	-	10	4
Plymouth (Cattewater)	994.4	+6	NNW	6	o/r	51	92	8	1500	Sr	10	-	10	3
Portland Bill	994.0	+8	NNW	5	o/r	50	85	7	4000	SrCu	10	-	10	4
Southampton (Calshot)	992.9	+3	NNW	5	odd	49	92	6	800	Nb	10	-	10	3
Dungeness	989.8	-4	WSW	2	o/r	45	97	7	4000	SrCu	10	-	9	3
Guernsey	997.9	+5	NW	6	o/r	50	97	7	800	Sr	9	-		

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 27th December

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 26th-27th °F.	Temperature. Max. Day. 27th °F.	Rainfall.† Night 17h.-9h. 26th-27th mm.	Rainfall.† Day 9h.-17h. 27th mm.	Sunshine.	Sunshine. Sunrise to Sunset. 27th hr.
Montrose	gmc	om	30	34	3	-		0·0
Berwick-on-Tweed	phoug	zFf	29	33	0·1	-		0·0
Llandudno	o	od	38	46	5	0·2		0·0
Colwyn Bay	c	cp	38	46	5	1		0·0
Rhyl	c	cp	36	46	4	1		0·1
Southport	oco	ocopo	33	44	4	-		0·1
Blackpool	moc	ocf	33	44	4	1		0·0
Ilkley	om	oof	30	33	4	-		0·0
Harrogate	oS	osoe	29	36	3	-		0·0
Skegness	o	om	32	35	3	-		0·0
Aberystwyth	roc	o	42	46	13	-		0·2
Bath	o	o	35	48	8	Trace		0·0
Leamington Spa	ocb	cbo	33	45	8	-		0·2
Lowestoft	o	o	34	37	1	-		0·0
Felixstowe	om	om	33	37	2	-		0·0
Southend	orm	omf	32	43	5	5		0·0

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 26th-27th °F.	Temperature. Max. Day. 27th °F.	Rainfall.† Night 17h.-9h. 26th-27th mm.	Rainfall.† Day 9h.-17h. 27th mm.	Sunshine.	Sunshine. Sunrise to Sunset. 27th hr.
Ilfracombe	o	od	46	50	12	0·2		0·8
Bude	rodoo	rrdrd	47	50	16	1		1·0
Torquay	cobc	bcod	47	53	5	0·1		1·9
Weymouth	bcc	c	41	49	11	-		0·0
Bournemouth	bc	bc	39	49	7	0·3		1·1
Portsmouth (S'thsea)	oc	cbco	38	49	10	-		1·1
Littlehampton	oc	oc	37	48	9	-		1·4
Worthing	o	bco	37	48	8	-		1·1
Brighton	o	o	32	47	8	-		0·0
Eastbourne	o	o	37	47	7	-		0·0
Hastings	ofmo	odom	35	45	7	0·2		0·0
Folkestone	o	o	34	40	Trace	-		0·0
Dover	ocmd	omdo	35	40	4	0·2		0·0
Tunbridge Wells	o	oomo	32	43	7	-		0·0
Ramsgate	of	of	33	42	3	-		0·0
Margate	o	o	32	38	3	Trace		0·0
Deal	ro	ro	33	37	5			

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* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. § For code see page 3. ‡ See footnote page 1

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.22682 SATURDAY, 29th DECEMBER 1923.

Observations at 1300 G.M.T. 28th

STATIONS. (For heights see p. 4).	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Upper Form.	Total Amt. 0-10	State of ground.
Lerwick	1012.3	+3	NW	1	bcjp	34	85	7	4000	Cu	5	–	5	•
Stornoway	1014.7	+8	–	0	b₀	39	92	8	–	–	0	–	0	•
Wick	1013.2	+6	NW	2	o	36	92	8	2500	StCu	9	–	9	•
Castlebay	1015.3	+6	NW	2	b	44	85	8	4000	Cu	2	–	2	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	1013.2	+7	NW'N	2	b–	35	85	7	4000	StCu	1	–	1	2
Malin Head	1013.9	+8	NNW	4	b/p	45	85	8	5100	CuNb	3	–	3	•
Renfrew	1014.5	+10	–	0	o	37	85	6	4000	StCu	10	–	10	8
Edinburgh (Inchkeith)	1011.8	+8	NNE	4	c–	38	92	8	•	StCu	5	ACu	7	•
Leuchars	1012.6	+10	N	3	o	35	92	8	7200	StCu	9	–	9	8
Eskdalemuir	1012.8	+9	NNW	2	ojp	36	85	7	1500	StCu	9	–	9	7
Tynemouth (3)	1010.7	+8	N	2	oh(r)	36	97	5	300	Nb	10	–	10	•
Blacksod Point	1020.2	+5	NW	4	bc–	47	75	8	•	•	•	•	4	•
Donaghadee	1014.3	+7	N'W	4	bc+	45	75	8	800	Cu	6	–	6	•
Birr Castle	1018.6	*	SW	2	bc–	45	95	7	4000	StCu	4	–	4	•
Holyhead	1013.4	+7	NW'N	6	c	45	92	7	1500	StCu	8	–	8	2
Liverpool (Bidston)	1012.1	+7	WNW	4	bc–	41	85	7	2500	StCu	6	–	6	•
Chester (Shotwick)	1016.6	+7	NW	5	c–	42	85	7	7200	StCu	8	–	8.	2
Spurn Head	1007.3	+8	NNE	4	o	39	85	7	–	–	0	CiCu	9	•
Birmingham (Edgbaston)	1011.2	+10	WNW	5	o	39	85	5	2500	St	10	–	10	2
Nottingham	1010.1	+9	NNW	4	o	40	92	5	1500	Nb	10	–	10	•
Cranwell	1008.7	+11	NNW	4	o	37	97	5	800	St	6	CiSt	10	2
Gorleston	1003.5	+6	N	6	o–	39	75	7	2500	CuNb	9	–	9	•
Valencia (Cahirciveen)	1022.7	+6	NW'N	5	c+	48	75	8	2500	Cu	7	–	7	1
Roches Point	1020.5	+11	NNW	4	c	47	85	8	2500	StCu	7	–	7	•
Pembroke (St. Ann's H.)	1013.6	+9	WNW	5	bc–	46	75	8	2500	Cu	5	–	5	•
Ross-on-Wye	1012.1	+8	NNW	3	c–	43	75	7	4000	StCu	6	ACu	7	1
Leafield	1010.1	+10	NNW	3	o	39	85	6	2500	St	10	–	10	✻
Andover	1010.0	+13	NNW	5	o	41	85	7	800	StCu	10	–	10	1
S. Farnborough	1008.3	+8	NW	3	o/r	41	92	6	800	StCu	10	–	10	2
London (Kew Obsy.)	1008.5	+14	NNW	4	o	40	75	6	2500	StCu	6	ASt	10	2
Croydon	1008.2	+12	N'W	4	o	41	85	5	1500	Nb	10	–	10	2
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	1006.2	+16	N'W	6	o/r	41	75	7	2500	StCu	9	ASt	10	•
Grain	1006.0	+13	N'W	5	o/r	41	85	8	1500	StCu	10	–	10	2
Lympne	1004.7	+14	N	7	o	40	92	6	800	St	10	–	10	2
Scilly (St. Mary's)	1018.1	+8	NW	7	bc–	49	85	8	4000	Cu	4	Ci	5	•
Falmouth (Pendennis)	1016.1	+4	NNW	6	bc–	47	75	8	5700	Cu	4	–	4	•
Plymouth (Cattewater)	1013.6	+10 (9)	N'W	8	bc+	47	75	8	450	Cu	6	–	6	0
Portland Bill	1010.8	+16	WNW	5	c	46	75	7	4000	StCu	5	ACu	8	•
Southampton (Calshot)	1009.6	+13	NW	6	o	43	85	6	1500	St	10	–	10	0
Dungeness	1003.7	+16	N	7	c/r	42	85	7	5700	StCu	8	–	8	•
Guernsey	1012.2	+11	NW	7	bc+	47	75	7	4000	Cu	5	–	5	•

Observations at 1800 G.M.T. 28th

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea.§ 0-9
Lerwick	1016.4	+6	N	2	bcps	36	85	6	4000	CuNb	5	–	5	1
Stornoway	1018.2	+5	–	0	b	33	85	8	–	–	0	–	0	0
Wick	1018.1	+5	NW	1	b	33	97	8	4000	Cu	3	–	3	0
Castlebay	1020.3	+6	–	0	bc/r	42	92	7	1500	Nb	5	–	5	2
Nairn	1019.5	•	–	0	bc/r	33	92	8	1500	St	6	–	6	•
Aberdeen	1018.5	+6	WNW	2	b	33	92	7	4000	StCu	3	–	3	1
Malin Head	1020.8	+6	NNW	4	b	45	85	8	4000	Cu	1	–	1	4
Renfrew	1020.8	+7	–	0	bf	28	85	2	–	–	0	–	0	•
Edinburgh (Inchkeith)	1019.0	+7	NNW	2	b	37	85	7	•	–	0	A.Cu	1	1
Leuchars	1019.1	+7	WNW	1	b–	33	85	8	7200	StCu	1	–	1	•
Eskdalemuir	1020.3	+9	N	3	b	30	85	6	2500	StCu	2	–	2	•
Tynemouth	1017.6	+8	N	1	b/r	36	85	6	–	–	0	–	0	1
Blacksod Point	1023.6	+5	NW	3	bc	43	85	7	•	•	•	•	6	4
Donaghadee	1019.5	+6	N	3	c–	44	75	8	450	St	7	–	7	5
Birr Castle	1024.4	•	NW	2	b	40	92	6	4000	StCu	3	–	3	•
Holyhead	1020.6	+8	N	4	bc–	44	85	7	2500	StCu	4	–	4	5
Liverpool (Bidston)	1019.5	+9	NW	2	b	38	92	8	1500	St	2	Ci	3	2
Chester (Shotwick)	1018.8	+8	NW	4	b	37	85	6	4000	StCu	1	–	1	•
Spurn Head	1016.5	+8	NNW	6	opr₀	36	97	6	2500	Nb	10	–	10	4
Birmingham (Edgbaston)	1017.9	+9	NW	4	m.bc	38	85	5	2500	St	4	–	4	•
Nottingham	1018.4	+10	NNW	3	o	38	92	6	1500	Nb	10	–	10	•
Cranwell	1017.1	+9	NNW	4	o/r	35	97	6	800	St	10	–	10	•
Gorleston	1014.6	+6	NNW	3	bc–	38	92	7	5700	Nb	5	–	5	1
Valencia (Cahirciveen)	1026.0	+3	NW	1	c+	45	65	8	2500	StCu	4	ASt	8	4
Roches Point	1025.0	+6	NNW	2	b–	44	92	8	4000	StCu	3	–	3	0
Pembroke (St. Ann's H.)	1021.3	+8	WNW	5	c	45	75	7	2500	Cu	8	–	8	6
Ross-on-Wye	1018.5	+8	WNW	1	o	44	75	8	2500	St	10	–	10	•
Leafield	1017.6	+10	N	4	bc–	37	85	6	5700	Nb	5	–	5	•
Andover	1017.7	+9	NNW	2	b	39	75	6	–	–	0	–	0	✻
S. Farnborough	1017.3	+12	NW	2	o	40	92	6	1500	StCu	10	–	10	•
London (Kew Obsy.)	1017.2	+10	NNW	2	or	41	85	5	1500	St	10	–	10	•
Croydon	1017.5	+12	N	3	o/r	40	85	5	1500	Nb	10	–	10	•
Clacton-on-Sea	1014.9	+11	NNW	3	bc–	37	85	6	–	–	0	ASt	5	1
Shoeburyness	1015.6	+12	NNW	5	o	37	75	7	4000	Cu	4	ASt	10	•
Grain	1016.3	+12	NNW	4	o–	38	85	7	–	–	0	ASt	10	0
Lympne	1015.0	+7	N	5	o	35	97	6	800	St	6	ASt	9	•
Scilly (St. Mary's)	1023.5	+3	NNW	6	bc	47	85	8	4000	Cu	4	–	4	5
Falmouth (Pendennis)	1022.2	+6	NNW	4	bc/r	46	75	8	5700	Cu	5	–	5	0
Plymouth (Cattewater)	1021.4	+10	N	4	b–	45	85	8	2500	StCu	3	–	3	0
Portland Bill	1018.6	+10	WNW	4	b	45	75	7	–	–	0	A.Cu	2	4
Southampton (Calshot)	1018.2	+10	NNW	3	b	41	85	6	–	–	0	–	0	0
Dungeness	1015.2	+12	N	3	b	36	92	8	–	–	0	ASt	3	5
Guernsey	1020.0	+7	N'W	7	bc+	46	85	7	4000	Cu	6	–	6	5

LONDON OBSERVATIONS. (Weather and Temperature: 24 Hours ended 0900 G.M.T. 29th)

LONDON OBSERVATIONS.	Height above M.S.L. in feet.	Weather Morning.	Weather Afternoon.	Weather Night.	Max. °F.	Min. °F.	Min. on Grass °F.	Rainfall mm. Day.	Rainfall mm. Night.	Sunshine to Sunset, hrs. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)	Visibility 9h.
Kew } 24 hours ended 0700	18	omqod	omomi	orbmfx	•	•	20	trace	0.3	0.0	•	•	2
Croydon } 24 hours ended 0700	244	oc₀d₀m	ozmr₀	ombcx	•	•	21	0.1	–	0.0	•	•	4
Greenwich (Royal Obsy.)	149	o	oc	cbxm	42	28	22	–	–	0.0	82	88	3
City (Bunhill Row)	80	•	•	•	•	•	•	•	•	0.0	•	•	•
Westminster (St. James' Pk.)	*27	•	•	•	43	31	25	–	–	0.0	78	89	•
Regent's Pk. (Botanic Gdns).	168	•	•	•	•	•	•	•	•	0.1	•	•	•
Camden Square	110	oodo	o	•	42	31	27	–	–	•	•	97	•
Kensington Palace	80	o	co	•	42	31	21	–	–	•	At 18h 84.	87	•
Hampstead Observatory	450	•	•	•	40	29	17	trace	–	0.0	•	93	•

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 1800 G.M.T. 28th.

South Kensington

Max.	Time.	Min.	Time.
2.5	17-18h 27th	<0.3	0-2h. 28th.
2.0	15h. 28th		

Kew Observatory

Max.	Time.	Min.	Time.
–	–	–	–

POLE STAR RECORD at Greenwich Obsy.

Exposure from 28th 17 h. 10 m. to 29th 07 h. 20 m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	14 0	10 50	77
δ Ursae Minoris	14 0	10 19	74

CODE FOR STATE OF GROUND.
0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.[1]

Time.	Type.	No. per 4 sec.	Stren.	Direc.
13h.	–	–	–	–
18h.	–	–	–	–
01h.	–	–	–	–
07h.	–	–	–	–

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.

29th & 30th Dec., 1923.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	8.6 / 8.6	11.55 / 11.56	3.45 / 3.46
Greenwich	8.8 / 8.8	12.2 / 12.3	3.57 / 3.58
Wick	9.5 / 9.5	12.14 / 12.15	3.23 / 3.24
Valencia	8.51 / 8.51	12.43 / 12.44	4.36 / 4.37

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, „ less than 200 m.
m mist, „ 1000—10000 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. r rain. s snow.
rs sleet. t thunder.
u ugly, threatening sky.
v unusual visibility. w dew.
x hoar frost. y dry air.
z dust haze; the turbid atmosphere of dry weather.
h(r)="hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity.
R = heavy rain. r₀ = slight rain.
rr = continuous rain.

SYMBOLS.

< = { less than (for cloud height). before (for precipitation).
⊕ = solar halo. Ⓤ = lunar halo.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions, thus:—bc/r = fair weather after rain.
− = "decreasing"; + = "increasing."

The BEAUFORT SCALE of WIND is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers, is the speed at about 30 feet above the ground.

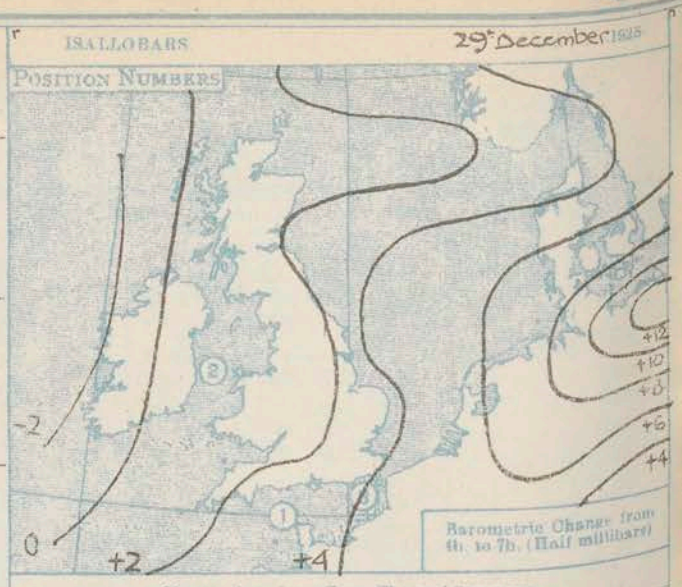
SEA DISTURBANCE.
0=no swell } Calm or slight sea.
1=mod. swell
2=heavy swell
3=no swell } Moderate sea.
4=mod. swell
5=heavy swell
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1- 3
2	4- 7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	above 75

[1] For explanation see Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 28th	13h.-18h. 28th	18h. 28th to 1h. 29th	1h.-7h. 29th	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS.	RAINFALL.† Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began.	SUN. 28th Hours.
Lerwick	bcps	bcps	bc	pc	36	33	.	0.2	trace	L0800	L2100	1.9
Stornoway	bbc	p	bbc	b	42	30	.	-	-	.	-	2.8
Wick	oo	op,sb	bbc	oo	40	30	.	0.1	-	1330	-	.
Castlebay	bcbz	bcpbc	bcb	bcopo	46	39	.	0.1	0.6	-	-	4.2
Nairn	r,r,oc	cq	cbcx	bc	36	29	.	3	-	L0800	-	0.0
Aberdeen	olrcb	b.bcb	bps,bmx	bmx	38	27	23	0.5	trace	L0800	-	1.8
Malin Head	bcpr,	bc	bcco	coc	45	37	.	0.3	-	0900	-	2.2
Renfrew	omxo	ombf	bfx	bxoff	40	13	10	-	-	.	-	1.9
Edinburgh (Inchkeith)	prs	bcb	bmf	ff	38	30	.	0.6	-	1100	-	0.0
Leuchars	or,o	ocobcb	bxbx	bxox	37	24	13	1	-	0900	-	0.3
Eskdalemuir	oc	ocb	bb	box	36	13	9	trace	-	1230	-	0.4
Tynemouth	omr,	r,mc	bbcm	bcm	42	31	29	3	-	L0800	-	.
Blacksod Point	c	c	bbc	oo	48	34	.	0.6	0.2	-	-	.
Donaghadee	bqp	c	bc	bo	45	34	.	0.1	-	1100	-	.
Birr Castle	co	bc	bc	co	46	33	24	-	-	-	-	5.5
Holyhead	oir,c	cc	bbc	bc	45	37	31	0.1	-	0900	-	1.4
Liverpool (Bidston)	oc	bm	cbc		42	35	29	-	-	.	-	1.2
Chester (Shotwick)	ooc	b.bc	bmx	bfbccfx	42	27	19	-	-	-	-	1.2
Spurn Head	c	bcop	bcopo	bbc	41	33	.	1	0.3	L0800	<2100	0.5
Birmingham (Edgbaston)	oo	ocbc	bcmm	bcbmmx	39	31	19	trace	-	1100	-	0.0
Nottingham	oo	or,	obm	f-mx	40	29	23	0.3	-	1430	-	0.0
Cranwell	ad,om	opom	bbcm	bm	37	29	24	1.03	-	L0800	-	0.0
Gorleston	oq	cobcp	bx	bcx	41	33	28	0.2	trace	1630	0605	0.2
Valencia (Cahirciveen)	bcc	bcc	bcc	oorod	48	41	38	-	1	-	0530	2.3
Roches Point	c	cb	bm	bo	48	38	.	-	0.1	-	-	
Pembroke (St. Ann's H.)	c	c	c	c	46	41	.	-	-	.	-	4.7
Ross-on-Wye	oc	bcbco	cbm	bxbmx	44	27	19	-	-	-	-	1.2
Leafield	adqa	co	cbc	bcbx	39	29	20	Trace	-	-	-	0.0
Andover	ao,	ocbcb	bmx	bmx	49	27	17	trace	-	L0800	-	0.0
S. Farnborough	odom	oom	om	ocmx	44	25	17	trace	-	L0800	-	0.0
London (Kew Obsy.)	omqomd,	omomr	omrbm	bmbfx	50	31	20	0.4	0.3	1230	<2100	0.0
Croydon	ojqom	ojmr,	ombc	bcmcx	49	30	21	0.1	-	L0800	-	0.0
Clacton-on-Sea	oq	ogcbc	bccpbc	bcx	47	32	28	-	0.2	-	<2100	0.0
Shoeburyness	olrqa	oo	ocbcbx	bx	50	31	28	0.2	-	L0800	-	0.0
Grain	oprco	oco	b.b	bmx	48	30	23	0.1	-	1230	-	0.1
Lympne	oqr,	om	bbcm	bcbmx	?	29	23	0.6	trace	-	-	0.0
Scilly (St. Mary's)	cbcq	bcq	cbc	bc	50	41	.	-	-	-	-	3.4
Falmouth (Pendennis)	bcq	bcpbc	bc	bc	51	41	.	trace	-	1130	-	3.1
Plymouth (Cattewater)	bcq	bq	b	bx	52	36	26	-	trace	-	-	4.9
Portland Bill	c	c	bbc	bbc	51	35	.	.	-	-	-	.
Southampton (Calshot)	cqmom	ocbm	bmbbcm	bx	?	33	29	0.1	-	L0800	-	0.0
Dungeness	p	b.bc	bcxm	bmx	48	29	.	0.3	-	L0800	.	.
Guernsey	mobc	bcbcbc	bcb	bmx	51	40	.	-	-	-	-	.



Observations from Cross Channel Steamers.

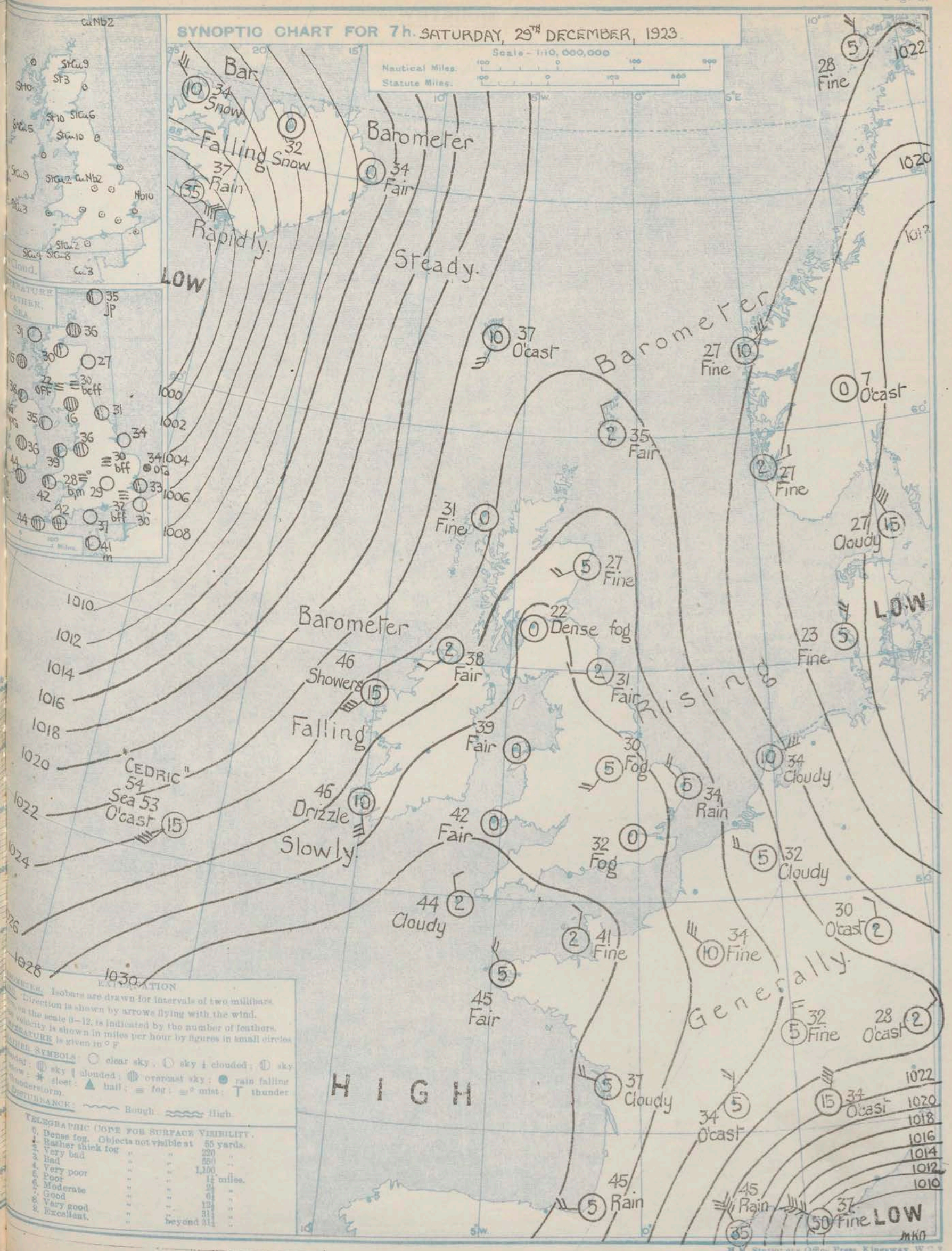
Position	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea	Visibility
2	28th 1000	Anglia	NW'N	6	c	45	49	8
3	29th 0200	Dieppe	W	6	b	42	47	6

GENERAL INFERENCE.

The wedge of high pressure over Britain will cause fair cold weather today over the eastern half of the Kingdom but a new depression which is beginning to affect our western coasts will cause renewed rain before long in most districts.

Districts.	Forecasts for the 24 hours commencing 15 h. G.M.T. Saturday, 29th December, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands	Wind light, variable; fog locally, otherwise fine; cold and frosty.	None issued. ---
4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Wind light, variable, freshening later from S. or S.W.; fair early probably some rain later; fog in places; milder.	
11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N. & N.W. Scotland	Wind southerly, moderate or fresh; some rain or sleet; fog locally at first; milder.	
15. Hebrides	As for 17 - 20.	
16. Orkneys and Shetlands	As for 4 - 10.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind S. to S.W., strong at times; some rain; visibility moderate; rather mild.	

† For Code see opposite page.



H.M. Stationery Office Press Kingsway, W.C.2

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. Saturday, 29th December 1923. No. 363

Observations at 0100 G.M.T. 29

Stations.	Height above M.S.L. in feet.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10
Lerwick	54	1022.5	+4	NNW	2	o/jp	35	75	7	4000	StCu	9	-	9
Stornoway	51	1023.4	0	-	0	b	*	*	6	*	*	*	*	*
Wick	81	1024.0	+5	W	1	C+	32	97	8	5700	StCu	7	-	7
Castlebay	37	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	82	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	46	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	71	1025.2	+3	SW	2	C+	42	92	8	4000	StCu	8	-	8
Renfrew	38	*	*	*	*	*	*	*	*	*	*	*	*	*
Edinburgh (Inchkeith)	100	1024.6	+7	NSW	1	fb+	32	92	3	*	-	0	-	0
Leuchars	36	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*
Tynemouth	118	1024.2	+8	N	1	b-	33	85	7	-	-	0	-	0
Blacksod Point	16	1027.0	+1	SE'S	4	0	42	?	?	*	*	*	*	10
Donaghadee	35	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	175	*	*	*	*	*	*	*	*	*	*	*	*	*
Holyhead	26	1026.8	+4	NW'N	3	bc	43	92	7	2500	Cu	4	-	4
Liverpool (Bidston)	189	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Shotwick)	16	*	*	*	*	*	*	*	*	*	*	*	*	*
Spurn Head	20	1024.2	+5	WNW	5	0	35	92	7	4000	StCu	10	-	10
Birmingham (Edgbaston)	525	*	*	*	*	*	*	*	*	*	*	*	*	*
Nottingham	82	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	237	1025.7	+8	NW	3	b	32	85	6	-	-	0	-	0
Gorleston	13	1024.0	+3	NW	3	b-	34	85	7	4000	Cu	1	-	1
Valencia (Cahirciveen)	20	1025.5	+1	-	0	c	46	97	8	*	St	7	-	7
Roches Point	32	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	149	1025.0	+5	NW	1	bc	44	75	8	4000	StCu	4	-	4
Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*
Leafield	556	*	*	*	*	*	*	*	*	*	*	*	*	*
Andover	295	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough	250	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.)	18	*	*	*	*	*	37	*	*	*	*	*	*	*
Croydon	244	1026.2	+9	NW	2	bc-	35	97	5	800	St	5	-	5
Clacton-on-Sea	54	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	20	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	350	1024.7	+7	N'W	4	bc	33	97	6	4000	StCu	6	-	6
Scilly (St. Mary's)	131	1028.6	+3	N'W	2	bc-	45	85	8	4000	StCu	4	-	4
Falmouth (Pendennis)	200	1028.5	+6	NNW	3	b-	43	75	8	5700	Cu	2	-	2
Plymouth (Cattewater)	82	*	*	*	*	*	*	*	*	*	*	*	*	*
Portland Bill	19	1026.1	+8	NNW	2	b-	40	75	7	-	-	0	-	0
Southampton (Calshot)	12	1026.0	+8	NNW	3	b	39	85	7	-	-	0	-	0
Dungeness	21	1024.5	+6	NNW	3	b	33	97	6	-	-	0	AC	3
Guernsey														

Observations at 0700 G.M.T. 29

Stations.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sun 0-8
Lerwick	1024.5	+3	NNW	1	bcjp	35	75	7	4000	CuNb	2	ACu	6	0
Stornoway	1023.9	+1	-	0	b-	31	92	8	-	-	0	-	9	0
Wick	1024.9	+1	NSW	1	o	36	92	8	5700	StCu	9	-	9	4
Castlebay	1023.8	0	SSW	4	o/r	45	85	8	1500	St	10	-	10	.
Nairn	1025.7	*	-	0	bc-	30	75	8	1500	St	3	ACu	5	.
Aberdeen	1026.9	+2	NSW	2	b	27	92	6	-	-	0	ACu	1	1
Malin Head	1025.4	0	SW	1	bc	38	97	8	5700	StCu	5	ASt	6	4
Renfrew	1028.2	+1	-	0	FFO	22	97	1	1500	St	10	-	10	.
Edinburgh (Inchkeith)	1027.2	+3	NSW	1	ffbc	30	97	3	*	StCu	6	-	6	0
Leuchars	1026.8	+2	W	2	o	27	92	7	7200	StCu	10	-	10	.
Eskdalemuir	1029.5	+1	-	0	o	16	92	6	1500	StCu	10	-	10	.
Tynemouth	1027.2	+2	7	1	bc	31	85	6	-	-	0	ACu	4	.
Blacksod Point	1024.4	-2	SW	4	opr	46	92	6	*	*	*	*	10	5
Donaghadee	1026.9	+1	W	2	b	35	92	8	-	-	0	ACu	9	2
Birr Castle	1028.3	*	SE	1	o+	36	97	7	4000	StCu	9	-	9	.
Holyhead	1028.2	+2	-	0	bc	39	97	7	2500	StCu	2	CiCu	4	0
Liverpool (Bidston)	1028.3	+1	SW'W	1	c	36	97	4	2500	CuNb	2	ACu	8	2
Chester (Shotwick)	1028.2	+1	SE	1	ffo	30	97	3	2500	St	3	ACu	8	.
Spurn Head	1027.5	+4	NW	4	b	34	92	7	-	-	0	-	0	2
Birmingham (Edgbaston)	1029.7	+2	NNW	2	mmb	33	85	5	-	-	0	Cu	1	.
Nottingham	1028.9	+3	NSW	2	ffb	30	97	2	-	-	0	-	0	.
Cranwell	1028.3	+2	W'N	3	b	30	85	5	-	-	0	-	0	.
Gorleston	1026.2	+1	NNW	2	ob	34	97	5	4000	Nb	10	-	10	1
Valencia (Cahirciveen)	1027.7	-1	S'E	3	odb	46	97	6	500	St	10	-	10	4
Roches Point	1028.6	0	-	0	c	44	97	8	4000	StCu	3	ASt	5	4
Pembroke (St. Ann's H.)	1029.1	+1	-	0	bc	42	92	8	-	-	0	ACu	0	.
Ross-on-Wye	1029.4	+2	NNE	1	mmb	28	97	5	-	-	0	-	0	.
Leafield	1029.3	+1	NNW	3	b	29	97	4	-	-	0	-	0	.
Andover	1030.0	+3	W'S	2	b	28	97	4	-	-	0	-	8	.
S. Farnborough	1029.0	+2	NNW	2	c-	28	97	5	800	StCu	8	-	0	.
London (Kew Obsy.)	1029.9	+3	-	0	ffb	32	85	3	-	-	0	-	0	.
Croydon	1029.3	+4	NNW	1	b	30	97	4	-	-	0	-	0	.
Clacton-on-Sea	1027.4	+3	NNW	3	bc	33	85	6	-	-	0	ACu	4	1
Shoeburyness	1028.4	+2	NW	4	b-	32	75	7	-	-	0	-	0	.
Grain	1028.9	+4	NNW	3	b	30	97	6	4000	St	1	-	1	0
Lympne	1027.7	+4	N	4	b	31	97	5	-	-	0	ACu	1	.
Scilly (St. Mary's)	1030.6	+1	N'W	1	c+	44	92	8	4000	StCu	4	ACu	7	1
Falmouth (Pendennis)	1030.7	+2	NNW	1	c	42	85	8	4000	StCu	8	-	8	0
Plymouth (Cattewater)	1030.2	+2	-	0	b-	36	92	7	5700	StCu	2	ACu	3	0
Portland Bill	1029.2	+4	NNW	2	b	37	75	7	-	-	0	-	0	4
Southampton (Calshot)	1029.1	+3	NW'N	3	b	33	92	6	-	-	0	-	0	0
Dungeness	1027.5	+4	NW	2	b	30	97	6	-	-	0	-	3	3
Guernsey	1030.1	+2	N'E	1	mb-	41	85	6	4000	Cu	3	-		0

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 28th

Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 27-28 °F.	Temperature. Max. Day. 28 °F.	Rainfall.† Night 17h.-9h. 27-28 mm.	Rainfall.† Day 9h.-17h. 28 mm.	Sunshine.	Sunshine. Sunrise to Sunset. 28 hr.
Montrose	or	mc	27	38	2	0.4		1.2
Berwick-on-Tweed	gurh	RRcy	30	40	0.7	1		0.2
Llandudno	c	bcrc	40	45	9	1		0.4
Colwyn Bay	oc	cp	39	44	9	0.5		0.6
Rhyl	c	bcc	38	45	11	-		1.1
Southport	ocbd	bcb	37	41	9	-		1.6
Blackpool	oc	bc	37	41	10	-		1.0
Ilkley	omoc	c	32	38	14	-		-
Harrogate	o	ob	31	37	19	1		-
Skegness	o	od	34	41	9	trace		1.3
Aberystwyth	rode	b	41	47	6	-		2.0
Bath	o	ocbc	41	45	3	0.3		-
Leamington Spa	o	o	38	41	8	-		-
Lowestoft	o	oc	35	41	11	-		-
Felixstowe	om	bcm	34	40	8	-		-
Southend	o	o	33	41	2	-		-
Ilfracombe	bcop	o	45	47	4	0.2		3.1
Bude	roc	c	45	50	5	.1		
Torquay	b	b	45	48	2	0.1		4.2
Weymouth	c	bc	42	45	2	-		1.6
Bournemouth	cc	bb	41	45	-	-		1.6
Portsmouth (S'thsea)	o	o	43	44	2	-		-
Littlehampton	ocpo	ogoc	42	43	4	-		-
Worthing	o	o	42	43	4	-		-
Brighton	rodo	o	42	44	5	0.4		-
Eastbourne	o	ocbc	44	45	7	-		-
Hastings	omdo	ccbcbm	43	45	6	0.3		0.4
Folkestone	r	q	37	49	7	0.2		-
Dover	om	rod	39	42	9	0.2		-
Tunbridge Wells	ooc	ocb	40	42	4	-		-
Ramsgate	o	o	36	46	3	-		-
Margate	o	gc	37	42	3	trace		-
Deal	rr	doc	37	43	3			-

TERMS OF SUBSCRIPTION.—6/6 per quarter or 25/- per year, post free. Single copies may be obtained at the Meteorological Office, price 1d.

* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. § For code see page 3. ‡ See footnote page 1

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B22683 SUNDAY 30th DECEMBER 1923.

Observations at 1300 G.M.T. 29

STATIONS. (For heights see p.4).	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0–12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0–9	Cloud Low Height Feet	Low Form	Low Amt. 0–10	Upper Form.	Total Amt. 0–10	State of ground.
Lerwick	1025·1	-1	-	0	c	33	85	7	-	-	0	aSt	7	•
Stornoway	1021·3	-3	SSW	3	ot	43	92	7	800	St	10	-	10	•
Wick	1024·0	-1	SSW	2	o	39	92	8	5700	StCu	6	CiSt	10	•
Castlebay	1021·0	-4	SSE	5	opG	45	92	7	800	Nb	10	-	10	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	1026·5	-2	SSW	1	ifo	31	85	3	7200	StCu	9	-	9	3
Malin Head	1021·6	-4	SSE	4	orG	41	97	7	4000	Nb	9	aSt	10	•
Renfrew	1026·9	+3	-	0	ffo	30	97	2	<150	St	10	-	10	8
Edinburgh (Inchkeith)	1026·3	-2	WSW	1	ffo	32	97	3	•	StCu	8	aCu	10	•
Leuchars	1026·3	-2	-	0	o	28	92	6	7200	StCu	10	-	10	8
Eskdalemuir	1028·0	-1	-	0	o	28	92	6	1500	St	10	-	10	7
Tynemouth	1028·1	0	W	1	ffbc	35	85	3	800	St	4	-	4	•
Blacksod Point	1022·3	-1	SW	4	o/r	48	97	6	•	•	•	•	10	•
Donaghadee	1026·6	0	SW	2	ot	40	92	8	800	St	9	-	9	•
Birr Castle	1025·4	ẋ	SE	1	oDD	43	97	6	1500	Nb	10	-	10	•
Holyhead	1029·4	+1	S	3	o	44	97	7	5700	StCu	9	-	9	2
Liverpool (Bidston)	1028·7	-1	SE	1	bc-	39	85	4	4000	St	4	Ci	6	•
Chester (Shotwick)	1029·1	-1	SE	2	c-	38	85	5	4000	StCu	1	aCu	7	2
Spurn Head	1029·5	0	W	3	bcr	36	92	5	800	St	1	aCu	6	•
Birmingham (Edgbaston)	1030·0	-1	W	2	ct	40	85	6	-	-	0	aCu	7	2
Nottingham	1029·2	-2	WSW	1	fc-	32	97	1	-	-	0	CiCu	7	•
Cranwell	1029·7	0	W'S	1	or	37	85	4	-	-	0	aCu	10	3
Gorleston	1028·4	+2	NW'W	1	b-	37	92	6	4000	Cu	1	aCu	3	•
Valencia (Cahirciveen)	1026·2	-3	SSE	4	oror	50	97	6	800	St	10	-	10	2
Roches Point	1027·7	-2	SW	3	odd	47	97	5	450	Nb	10	-	10	•
Pembroke (St. Ann's H.)	1029·6	0	SW	3	ot	46	85	8	2500	StCu	10	-	10	
Ross-on-Wye	1029·9	-1	W	1	c	35	85	4	-	-	0	aCu	7	1
Leafield	1029·7	-2	W	2	ct	37	85	7	-	-	0	aCu	7	ẋ
Andover	1030·4	0	-	0	b	41	85	7	-	-	0	CiCu	2	1
S. Farnborough	1031·0	+2	WNW	2	bc-	39	92	6	-	-	0	CiCu	4	3
London (Kew Obsy.)	1031·3	0	WSW	2	bc	37	85	5	-	-	0	aCu	6	ẋ
Croydon	1031·2	-1	W	2	bc	39	85	4	-	-	0	Ci	6	2
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	1030·2	+2	WNW	1	mb-	40	65	6	-	-	0	Ci	1	•
Grain	1031·1	+2	W'N	3	fbt	38	85	3	-	-	0	-	0	6
Lympne	1030·2	+1	NNW	3	b	38	92	5	-	-	0	-	0	6
Scilly (St. Mary's)	1031·0	0	SW'W	2	c	49	85	8	4000	StCu	4	aSt	7	•
Falmouth (Pendennis)	1031·3	+2	SW	2	ot	47	75	8	4000	StCu	9	-	9	•
Plymouth (Cattewater)	1031·2	0	-	0	c-	44	85	6	1500	St	4	aSt	7	0
Portland Bill	1030·7	0	NNW	2	b	45	65	7	-	-	0	-	0	•
Southampton (Calshot)	1031·4	0	-	0	b	43	75	5	-	-	0	aCu	3	2
Dungeness	1030·5	+4	N	2	b	38	85	6	-	-	0	aCu	3	•
Guernsey	1031·5	0	-	0	b	45	85	6	4000	Cu	2	Ci	3	•

Observations at 1800 G.M.T. 29

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0–12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0–9	Cloud Low Height Feet	Low Form	Low Amt. 0–10	Upper Form.	Total Amt. 0–10	Sea. 0–9
Lerwick	1023·5	-2	ESE	1	c	38	75	6	5700	StCu	3	aSt	7	0
Stornoway	1015·9	-6	SSW	5	oPRt	42	92	6	450	St	10	-	10	4
Wick	1020·7	-4	S	3	o	41	85	8	1500	St	4	aSt	10	0
Castlebay	1016·8	-3	SSE	4	orr	45	97	6	800	Nb	10	-	10	6
Nairn	1020·5	•	-	0	or-	34	92	7	2500	Nb	10	-	10	•
Aberdeen	1023·7	-3	S	2	mo-	35	85	5	4000	StCu	10	-	10	0
Malin Head	1017·6	-3	S	5	oD	43	97	7	4000	Nb	8	aSt	10	4
Renfrew	1023·5	-4	-	0	orr	35	97	2	800	Nb	10	-	10	•
Edinburgh (Inchkeith)	1024·0	-3	S	1	mbc-	37	92	5	•	-	0	aSt	10	0
Leuchars	1023·9	-3	-	0	ort	31	97	5	1500	Nb	10	-	10	•
Eskdalemuir	1025·3	-3	-	0	ffo	31	97	2	<150	St	10	-	10	•
Tynemouth	1025·9	-2	-	0	o/f	35	92	4	800	St	10	-	10	0
Blacksod Point	1020·4	-1	SW	5	mot	48	97	6	•	•	•	•	10	5
Donaghadee	1021·8	-4	SW	3	mot	42	97	5	450	St	10	-	10	2
Birr Castle	1023·1	•	S	1	oD-	48	97	5	1500	Nb	10	-	10	•
Holyhead	1024·1	-3	S'W	4	oD	45	97	6	<150	St	10	-	10	3
Liverpool (Bidston)	1026·2	-2	S'E	2	o/r	39	97	4	2500	Nb	10	-	10	2
Chester (Shotwick)	1026·4	-3	SE	2	oror	39	92	5	2500	Nb	10	-	10	•
Spurn Head	1027·7	+1	-	0	mmo	34	97	5	450	St	10	-	10	2
Birmingham (Edgbaston)	1028·3	-2	SSW	3	mo-	36	92	5	800	St	10	-	10	•
Nottingham	1027·7	-2	WSW	1	o	34	97	4	800	St	10	-	10	•
Cranwell	1028·0	-2	WSW	2	o	35	97	5	2500	StCu	10	-	10	•
Gorleston	1028·2	0	WNW	2	ot	33	85	5	1500	St	10	-	10	0
Valencia (Cahirciveen)	1025·4	-1	SSW	3	odd	49	97	6	225	St	10	-	10	4
Roches Point	1024·8	-2	WSW	2	c-	48	97	8	1500	St	8	-	8	3
Pembroke (St. Ann's H.)	1027·6	-2	SW	4	oDD	45	97	6	1500	Nb	10	-	10	4
Ross-on-Wye	1028·4	-1	WSW	1	mmo	38	85	4	1500	St	10	-	10	•
Leafield	1029·2	-1	SW	1	mo	34	92	4	-	-	0	aSt	10	•
Andover	1029·5	0	SW	1	ct	35	97	6	5700	StCu	7	-	7	ẋ
S. Farnborough	1029·7	-1	WNW	2	ot	35	92	6	1500	StCu	9	-	9	•
London (Kew Obsy.)	1029·5	-2	SW'S	1	of	37	85	3	5700	StCu	10	-	10	•
Croydon	1029·8	-1	SW'S	2	om	36	85	4	4000	StCu	10	-	10	•
Clacton-on-Sea	1029·0	0	WSW	2	ct	35	85	5	-	-	0	aSt	7	0
Shoeburyness	1029·4	0	W'N	1	Fbct	35	85	1	-	-	0	Ci	6	•
Grain	1029·8	0	SW	1	ot	35	85	5	800	StCu	10	-	10	0
Lympne	1029·6	0	NW	2	o	33	97	4	4000	StCu	10	-	10	•
Scilly (St. Mary's)	1029·0	-2	SW	3	odd	47	97	4	4000	Nb	10	-	10	3
Falmouth (Pendennis)	1030·9	-1	SW	3	od	47	85	7	4000	StCu	10	-	10	0
Plymouth (Cattewater)	1030·9	0	SW	2	or	47	85	8	800	St	10	-	10	0
Portland Bill	1029·5	-2	NNW	2	bct	45	75	7	-	-	•	aCu	4	1
Southampton (Calshot)	1030·5	-2	SW	1	mmo	38	92	5	-	-	0	aCu	10	0
Dungeness	1030·1	0	N	2	bc-	35	85	6	-	-	0	aCu	4	2
Guernsey	1031·1	0	W	1	mmo	44	85	6	4000	StCu	10	-	10	0

LONDON OBSERVATIONS. 24 HOURS ENDED 0900 G.M.T. 30

LONDON OBSERVATIONS.	Height above M.S.L. in feet.	Weather Morning.	Weather Afternoon.	Weather Night.	Temperature Max. °F.	Min. °F.	Min. on Grass °F.	Rainfall mm. Day.	Rainfall mm. Night.	Sunshine to Sunset, hrs. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)	Visibility 9h.
Kew (24 hours ended 0700)	18	bfxbcm	bcmxofo	form	•	•	32	tra	3	2·2	•	•	4
Croydon (24 hours ended 0700)	244	bbxxm	bcom	bmrf	•	•	29	-	4	3·3	•	•	5
Greenwich (Royal Obsy.)	149	cbcm	com	or	41	31	27	tra	5	0·0	83	95	0
City (Bunhill Row)	80	•	•	•	•	•		•	•	0·0	•	•	•
Westminster (St. James' Pk.)	27	•	•	•						0·0			•
Regent's Pk. (Botanic Gdns).	168	•	•	•	•	•	•	•	•		•	•	•
Camden Square	111			•						•	•		•
Kensington Palace	80	ofc	of	•	42	31	32	-	5	•	At 18h 83	100	•
Hampstead Observatory	450	•	•	•						0·0			•

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 HR. ended 1600 G.M.T. 29

South Kensington Max.	Time.	Min.	Time.
-	-		
-	-	-	-

Kew Observatory Max.	Time.	Min.	Time.
-	-		
-	-	-	-

POLE STAR RECORD at Greenwich Obsy.

Exposure from 29 ....h....m. to 30 ....h....m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris			
δ Ursae Minoris			

CODE FOR STATE OF GROUND.
0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.[1]

Time.	Type.	No. per 4 sec.	Stren.	Direc.
13h.	C	6	-	155°
18h.	C	5	-	150°
01h.	C	3	-	120°
07h.	C	6	-	30°

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM. 30 & 31 Dec., 1923.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	8·6 8·6	11·56 11·56	3·46 3·46
Greenwich	8·8 8·8	12·3 12·3	3·58 3·58
Wick	9·5 9·5	12·15 12·15	3·24 3·25
Valencia	8·51 8·51	12·44 12·44	4·37 4·37

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, " less than 200 m.
m mist, " 1000—10000 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. r rain. s snow.
rs sleet t thunder.
u ugly, threatening sky.
v unusual visibility. w dew.
x hoar frost. y dry air.
z dust haze; the turbid atmosphere of dry weather.
h(r)="hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity.
R = heavy rain. r_0 = slight rain.
rr = continuous rain.

SYMBOLS.

< = { less than (for cloud height). before (for precipitation).
⊕ = solar halo. Ⓤ = lunar halo.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions, thus:—bc/r = fair weather after rain; − = "decreasing"; + = "increasing."

The BEAUFORT SCALE of WIND is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers, is the speed at about 30 feet above the ground.

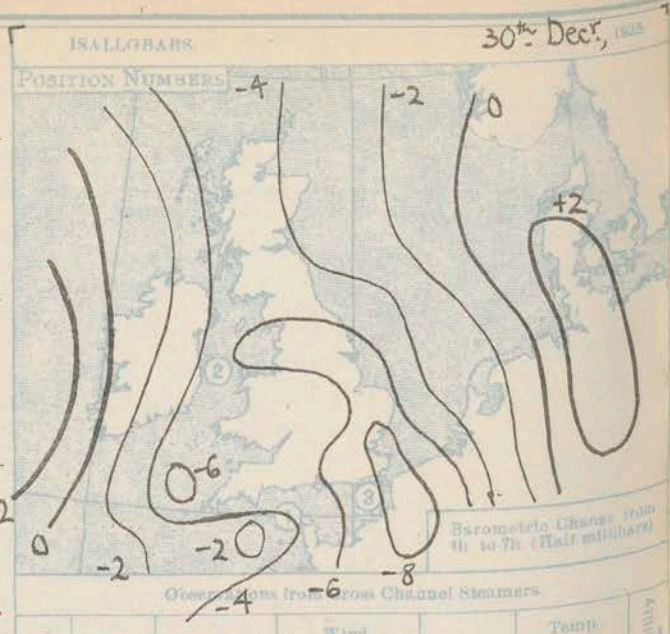
SEA DISTURBANCE.
0=no swell, 1=mod. swell, 2=heavy swell } Calm or slight sea.
3=no swell, 4=mod. swell, 5=heavy swell } Moderate sea.
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1- 3
2	4- 7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

[1] For explanation see Introduction.
* Information for these columns not usually received.
‡ The barometric change is expressed in half millibars.
§ For code see page 3

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 29	13h.-18h. 29	18h. 29 to 1h.30	1h.-7h. 30	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS.	RAINFALL.† Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began	SUN. 29 Hours.
Lerwick	bc	c	o	omr	38	37	•	–	1	–	0330	0.0
Stornoway ...	c	p	p	rd	43	40	•	2	5	–	<2100	0.0
Wick	oo	bo	orr	orR	41	39	•	–	11	–	2200	•
Castlebay	op	oprr	rrop	op	45	45	•	3	5	1330	–	0.0
Nairn	bc.c.	c.oirgo	iRoc	cg	34	34	•	1	3	1630	<2100	0.0
Aberdeen	bm.ofx	ofmm	orrr	orimq	35	34	33	–	12	–	<2100	0.0
Malin Head	c.orr.	Rr dd	d.cco	d.PR	45	43	•	10	4	0900	<2100	0.0
Renfrew	offxp.	offrorr	orr	orr.	35	33	33	2	5	1530	<2100	0.0
Edinburgh (Inchkeith)	ffo.	ff	mrr.	orr	37	36	•	0.2	4	1430	<2100	0.0
Leuchars	o.c.oxm	oxrrr.o	orrm	orrom	31	31	31	1	8	1630	<2100	0.0
Eskdalemuir	oo	o.of	ofs.rsm	ord.m	31	30	30	–	9	–	<2100	0.0
Tynemouth	bcff	offm	orrm	orrm	36	35	33	–	6	–	<2100	•
Blacksod Point ...	r or d	form	r-d	p	50	43	•	2	5	–	–	•
Donaghadee	c	bmrr	ofd	omr	42	42	•	3	3	1430	<2100	•
Birr Castle	oDD	oDD	oD	coiR	48	45	42	2	4	1100	<2100	0.0
Holyhead	oo	od.Dm	orr.o	ooR	46	44	44	1	5	1630	<2100	0.6
Liverpool (Bidston) ...	fc.bcm	form	orm		46	33	29	0.5	3	1730	<2100	1.4
Chester (Shotwick) ...	form	or.m	orgmopr	c.o	40	38	35	trace	2	1730	<2100	1.4
Spurn Head	b or bc	bcmmo	ffoad	modir	36	34	•	–	4	–	2200	2.1
Birmingham (Edgbaston)	b.bc	c.o.	orrm	oomm	42	35	34	–	2	–	<2100	2.4
Nottingham	f	fmc	orr	r.o	34	34	31	–	4	–	<2100	0.0
Cranwell	o.c.bc	orm	r-d	rdf	37	34	32	–	3	–	2200	2.4
Gorleston	or.c.bc	cmoc	om	orimd	39	32	28	0.2	1	<0800	0130	4.8
Valencia (Cahirciveen)	oir.	od.om	omdom	oro	51	49	45	3	6	<0800	<2100	0.0
Roches Point	od.m	d.o.fc	bo	cRb	49	47	•	0.6	4	<0800	0430	
Pembroke (St. Ann's H.)	c	ogd	odf	ogrr	47	45	•	1	8	1430	<2100	0.6
Ross-on-Wye	fxbmcmbm/bcmcom	ogdfo	oo		39	38	34	0.1	0.4	–	<2100	3.2
Leafield	bc	bcoff	oddm	ffo	40	34	32	–	3	–	2200	4.0
Andover	bmx.b	b.bccm	dmodm	orrd.m	41	33	30	trace	2	–	2200	5.0
S. Farnborough ...	cmxbcm	bcmo	o	oro	40	34	32	–	3	–	0130	3.2
London (Kew Obsy.) ...	bfxbcmx	bcmxofm	cfomor	omrom	38	37	32	trace	3	<0800	2400	2.2
Croydon	b.o.bcxm	bc.om	omr.	orrd.	41	36	29	–	4	–	2400	3.3
Clacton-on-Sea ...	bcxm	bccm	com	omqd	38	34	31	–	4	–	0130	4.2
Shoeburyness	bxbc.bm	bmbcff	bcffbxbcom	forr	42	33	29	–	4	–	–	5.2
Grain	bxm	bc.ofm	om	orrof	38	33	25	0.1	4	<0800	0130	4.1
Lympne	bmx	b.omx	omr.	omfr	39	32	29	trace	6	–	2400	5.4
Scilly (St. Mary's) ...	c	c.omd.	offd	omrq	49	47	•	trace	2	1730	<2100	0.1
Falmouth (Pendennis)	bc.c.	c.o	comd	co	49	46	•	–	1	–	2400	2.6
Plymouth (Cattewater)	om	or	orr	or	47	43	39	trace	2	1730	–	2.9
Portland Bill	b or bc	b or bc	r-d	r-d	43	44	•	–	2	–	0230	•
Southampton (Calshot)	bmx bm	bmcmom/ompod.	oroco		?	38	34	–	2	–	2200	4.8
Dungeness	b or bc	cm.bc	odmm	orr	40	36	•	–	6	–	2200	•
Guernsey	bm	b.bcom	od.d.o	od.d.o	47	40	•	–	2	–	2200	•



Observations from Cross Channel Steamers.

Position	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea	Visibility
2	29th 1000	Hibernia	SSW	3	cv	44	47	9
1	" 1200	Ibex	N	2	b	46	50	5
3	30th 0200	Brighton	W	3	rr	46	47	7

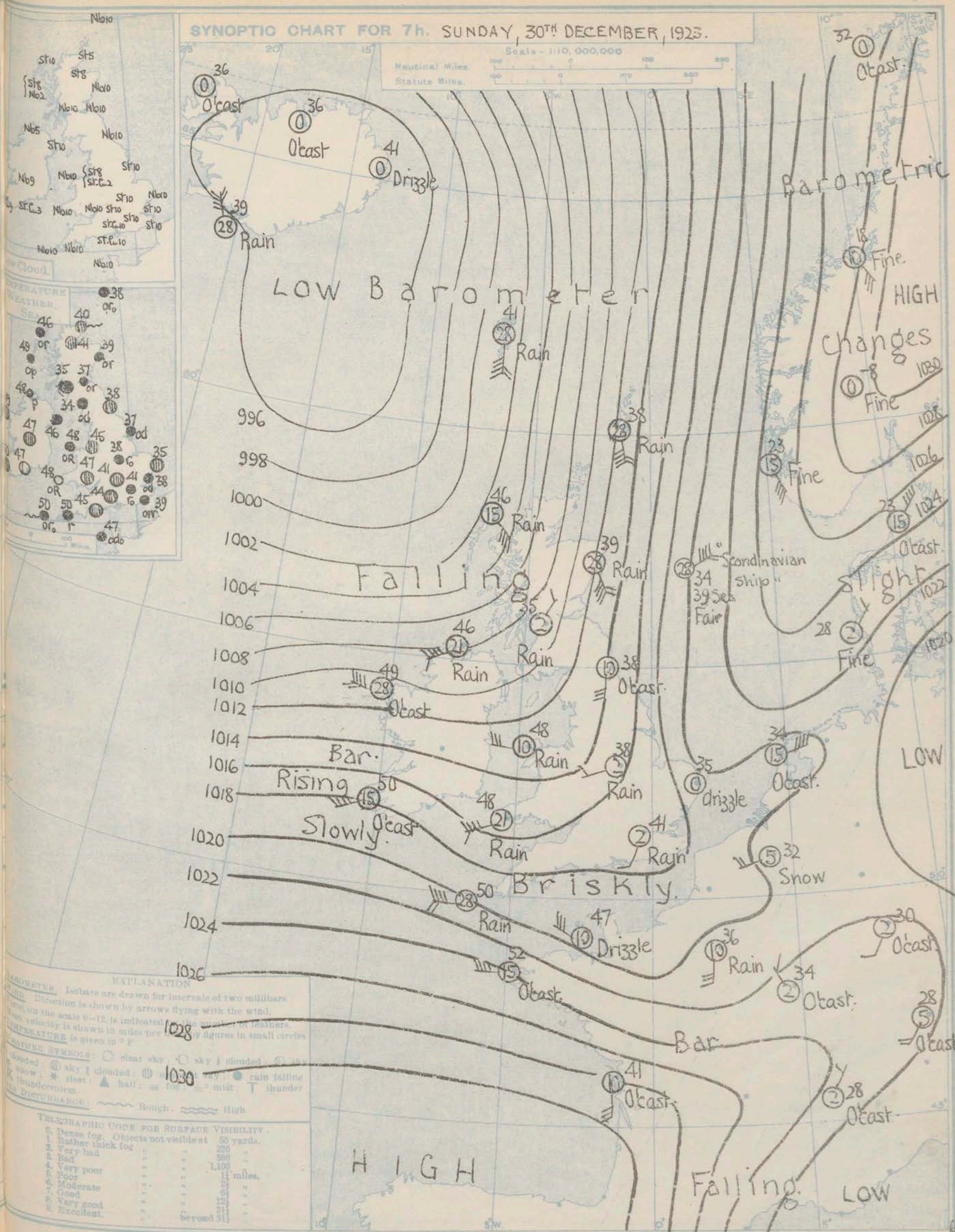
GENERAL INFERENCE.

Disturbances secondary to a depression near Iceland will maintain unsettled weather conditions generally with winds mainly from southwest or west and moderate temperatures.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Sunday, 30th, December, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands	Wind mainly westerly, light to moderate; much cloud, occasional rain or showers; some mist or fog; moderate temperature.	None issued. ---
4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands	Wind westerly, moderate or fresh; cloudy, occasional rain or showers; visibility moderate; rather mild.	
10. N.E. England 11. E. Scotland ▽ 12. S.W. Scotland 13. Isle of Man	Wind S.W. to W., moderate to strong; much cloud, some rain; visibility moderate; milder.	▽ South Cone hoisted 09.10 G.M.T. 30/12/23
14. N.& N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands ▽	Wind S. to S.W., strong, a gale locally; much cloud, rain at times; some mist; temperature moderate.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind W. to S.W., moderate or fresh; cloudy, occasional rain or showers; visibility moderate; rather mild.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0910 GMT G. C. SIMPSON, F.R.S., Director.

† For Code see opposite page.



EXPLANATION

BAROMETER. Isobars are drawn for intervals of two millibars.

WIND. Direction is shown by arrows flying with the wind. Force, on the scale 0–12, is indicated by the number of feathers. Wind velocity is shown in miles per hour by figures in small circles.

TEMPERATURE is given in °F.

WEATHER SYMBOLS: clear sky; sky ¼ clouded; sky ½ clouded; sky ¾ clouded; sky clouded; snow; sleet; hail; fog; mist; rain falling; thunderstorm; thunder.

SEA DISTURBANCE: Rough; High.

TELEGRAPHIC CODE FOR SURFACE VISIBILITY.

0. Dense fog. Objects not visible at	55 yards.	
1. Rather thick fog	220	"
2. Very bad	500	"
3. Bad	1,100	"
4. Very poor	1¼	miles.
5. Poor	2	"
6. Moderate	3	"
7. Good	6	"
8. Very good	12	"
9. Excellent	31	"
	beyond 31	"

M.M. Stationery Office Press, Kingsway, W.C.2

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION Sunday 30th December 1923. No. 364

STATIONS.	Height above M.S.L. in feet.	0100 G.M.T. 30: Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Height Feet	Low Form	Low Amt. 0-10	Upper Form.	Total Amt. 0-10	0700 G.M.T. 30: Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Height Feet	Low Form	Low Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	54	1018.3	-3	SSE	3	o	38	75	6	5700	StCu	2	A.St	9	1013.9	-3	SSE	6	or₀	38	92	6	4000	Nb	10	-	10	5
Stornoway	51	1008.9	?	S	5	r	•	•	6	•	•	•	•	•	1003.1	-5	SE	5	or₀	46	97	6	450	St	10	-	10	4
Wick	81	1014.0	-7	SSE	6	orr	39	97	8	1500	St	10	-	10	1006.9	-4	SSE	7	o/r	40	92	7	800	St	5	A.St	10	7
Castlebay	37	•	•	•	•	•	•	•	•	•	•	•	•	•	1004.0	-2	SW	3	or₀	49	92	7	1500	St	10	-	10	4
Nairn	82	•	•	•	•	•	•	•	•	•	•	•	•	•	1007.9	•	-	0	c/r	41	85	8	1500	St	8	-	8	•
Aberdeen	46	•	•	•	•	•	•	•	•	•	•	•	•	•	1013.7	-4	SSE	6	orr	39	97	6	1500	Nb	10	-	10	4
Malin Head	71	1012.2	-5	S	5	o	49	85	8	5700	Nb	9	A.Cu	10	1007.3	-2	WSW	5	oRR	48	97	7	4000	Nb	3	A.St	10	4
Renfrew	38	•	•	•	•	•	•	•	•	•	•	•	•	•	1010.6	-4	NE	1	or₀	35	97	3	[illegible]	Nb	10	-	10	•
Edinburgh (Inchkeith)	190	1017.2	-4	S	1	orr	38	92	7	•	Nb	10	-	10	1011.8	-4	SSE	2	orr	37	97	7	•	Nb	10	-	10	0
Leuchars	36	•	•	•	•	•	•	•	•	•	•	•	•	•	1011.5	-4	SE	2	o/r	36	97	5	1500	St	10	-	10	•
Eskdalemuir	794	•	•	•	•	•	•	•	•	•	•	•	•	•	1012.8	-4	-	0	odd	34	97	5	800	Nb	10	-	10	•
Tynemouth	118	1021.0	-6	SSW	1	or₀	36	97	5	800	Nb	10	-	10	1014.2	-5	S	3	o/r	38	97	6	800	Nb	10	-	10	•
Blacksod Point	10	1013.0	-5	SW	6	oRR+	49	97	3	•	•	•	•	10	1010.9	0	WNW	6	o	49	75	6	•	•	•	•	10	5
Donaghadee	35	•	•	•	•	•	•	•	•	•	•	•	•	•	1014.1	-4	SSW	1	or+	46	97	7	450	St	10	-	10	1
Birr Castle	175	•	•	•	•	•	•	•	•	•	•	•	•	•	1014.5	•	S	3	o-	47	92	4	4000	Nb	9	-	9	•
Holyhead	26	1009.4	-3	SWW	2	o	47	97	7	1500	St	10	-	10	1013.0	-6	W'S	3	oRR	47	97	7	800	Nb	10	-	10	3
Liverpool (Bidston)	189	•	•	•	•	•	•	•	•	•	•	•	•	•	1012.6	-6	S	3	o/r	45	97	7	2500	St	10	-	10	3
Chester (Shotwick)	16	•	•	•	•	•	•	•	•	•	•	•	•	•	1013.0	-3	-	0	o	48	85	6	4000	StCu	6	A.St	10	•
Spurn Head	26	1022.5	-4	SSW	2	ffo	36	97	1	450	St	10	-	10	1017.0	-6	SE	3	odd	37	97	5	450	St	10	-	10	2
Birmingham (Edgbaston)	525	•	•	•	•	•	•	•	•	•	•	•	•	•	1015.8	-4	S	3	mo	41	92	4	800	St	10	-	10	•
Nottingham	82	•	•	•	•	•	•	•	•	•	•	•	•	•	1015.5	-4	SW	1	or₀	36	97	4	1500	St	10	-	10	•
Cranwell	237	1023.4	-4	SW	1	orr	35	97	6	1500	Nb	10	-	10	1016.6	-7	SE'S	3	odd	34	97	2	220	St	10	-	10	•
Gorleston	13	1024.6	-1	W'S	2	mo	34	85	5	1500	St	10	-	10	1020.0	-3	-	0	od+	35	97	5	1500	Nb	10	-	10	0
Valencia (Cahirciveen)	30	1018.6	-4	SSW	4	o	52	97	8	*	St	10	-	10	1018.4	+2	WSW	4	o+	50	85	7	1500	StCu	9	-	9	5
Roches Point	32	•	•	•	•	•	•	•	•	•	•	•	•	•	1016.8	-2	WNW	3	b-	47	85	8	2500	StCu	3	-	3	0
Pembroke (St. Ann's H.)	149	1022.5	-2	W	5	o/f	47	97	6	1500	St	10	-	10	1015.1	-5	WSW	5	oRR	48	97	6	1500	Nb	10	-	10	4
Ross-on-Wye	223	•	•	•	•	•	•	•	•	•	•	•	•	•	1015.3	-5	SWW	3	o	47	85	7	2500	Nb	10	-	10	•
Leafield	556	•	•	•	•	•	•	•	•	•	•	•	•	•	1016.2	-4	SW	2	ffo	41	97	2	<150	St	10	-	10	•
Andover	295	•	•	•	•	•	•	•	•	•	•	•	•	•	1017.1	-2	W	3	od₀	45	97	6	800	Nb	10	-	10	•
S. Farnborough	230	•	•	•	•	•	•	•	•	•	•	•	•	•	1016.9	-5	W	1	o	44	97	7	1500	StCu	10	-	10	•
London (Kew Obsy.)	18	•	•	•	•	•	37	•	•	•	•	•	•	•	1016.8	-5	SSW	1	or₀	41	97	5	1500	St	10	-	10	•
Croydon	244	1025.0	-4	SW	2	orr	38	97	6	800	St	10	-	10	1017.0	-8	WSW	2	odd	41	97	6	800	St	10	-	10	•
Clacton-on-Sea	54	•	•	•	•	•	•	•	•	•	•	•	•	•	1018.6	-8	ESE	3	odd	38	97	6	1500	St	10	-	10	1
Shoeburyness	11	•	•	•	•	•	•	•	•	•	•	•	•	•	1017.7	-5	S'E	4	or+	38	85	6	800	Nb	10	-	10	0
Grain	20	•	•	•	•	•	•	•	•	•	•	•	•	•	1018.1	-8	SE'E	3	or₀	38	92	6	800	Nb	10	-	10	•
Lympne	350	1025.6	-3	NW	2	or₀	35	97	5	450	Nb	10	-	10	1017.0	-6	SSE	4	orr	39	97	2	<150	Nb	10	-	10	
Scilly (St. Mary's)	131	1026.4	-2	W	5	o/f	48	97	6	2500	St	10	-	10	1020.1	-6	W'S	6	or₀	50	97	4	4000	Nb	10	-	10	6
Falmouth (Pendennis)	200	1025.9	-3	W	4	odd	49	97	7	4000	StCu	10	-	10	1020.3	-4	W	5	or	50	92	7	4000	Nb	10	-	10	0
Plymouth (Cattewater)	82	•	•	•	•	•	•	•	•	•	•	•	•	•														
Portland Bill	19	1023.4	-8	WSW	2	orr	47	92	6	2500	Nb	10	-	10	1017.7	-4	WSW	3	o/r	47	92	7	4000	StCu	10	-	10	1
Southampton (Calshot)	12	1024.2	-6	SW	3	or+	43	97	7	800	Nb	10	-	10	1018.2	-6	W	3	o	45	97	8	800	St	10	-	10	0
Dungeness	21	1025.7	-4	W	2	o+	37	97	6	2500	Nb	10	-	10	1018.0	-7	SSE	3	orr	42	97	6	1500	St	10	-	10	4
Guernsey	..														1021.0	-2	WNW	3	od₀	47	97	7	1500	Nb	10	-	10	1

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 29

STATIONS.	Weather Fore-noon.	Weather After-noon.	Temperature Min. Night. 28-29 °F.	Temperature Max. Day. 29 °F.	Rainfall† Night 17h.-9h. 28-29 mm.	Rainfall† Day 9h.-17h. 29 mm.	Sunshine	Sunshine Sunrise to Sunset. 29 hr.
Montrose	g.bc	c.om	26	31	-	-		0.6
Berwick-on-Tweed	o.czx	bcz	27	33	-	-		3.1
Llandudno	c.bc	zor	34	44	-	-		1.3
Colwyn Bay	bc	cr	35	43	-	1		1.8
Rhyl	c.bc.c	c.o	31	43	-	-		1.2
Southport	of	z	30	36	-	-		0.0
Blackpool	om.c	omr	29	36	-	0.1		0.0
Ilkley	xobc	bcm.o	24	37	-	-		0.0
Harrogate	b.	bc.c.o	28	37	-	0.2		2.2
Skegness	xbm	bm	30	41	0.3	-		3.0
Aberystwyth	r.c.b.	o	32	45	3	-		2.0
Bath	mb	b.bcm	27	43	-	-		2.1
Leamington Spa	c.b.bz	bzm	29	37	-	-		3.1
Lowestoft	bc	c.bc	32	37	0.2	-		4.1
Felixstowe	bmbcm	bccm	30	38	-	-		3.1
Southend	fc.bc	bcf	31	42	-	-		3.8

STATIONS.	Weather Fore-noon.	Weather After-noon.	Temperature Min. Night. 28-29 °F.	Temperature Max. Day. 29 °F.	Rainfall† Night 17h.-9h. 28-29 mm.	Rainfall† Day 9h.-17h. 29 mm.	Sunshine	Sunshine Sunrise to Sunset. 29 hr.
Ilfracombe	b.bc	bc.c.o	37	45	-	-		3.3
Bude	bc.c	c.or₀	33	51	-	0.4		1.7
Torquay	b.	bc.c.o	35	47	-	-		3.3
Weymouth	xmb	b.bc	32	45	-	-		4.5
Bournemouth	b	b	29	44	-	-		5.9
Portsmouth (S'thsea)	fb	b.bc	31	41	-	-		4.6
Littlehampton	bc	bc	29	42	-	-		4.7
Worthing	bc.b	bc.b	30	41	-	-		4.0
Brighton	bc	bc	29	45	-	-		3.5
Eastbourne	b	b	33	42	-	-		5.6
Hastings	xmbbc	bcc.om	33	41	-	-		5.8
Folkestone	bc	bc	32	40	-	-		5.4
Dover	bmbz	mz om	34	40	-	-		5.1
Tunbridge Wells	bm.b	b.bm	29	41	-	-		3.7
Ramsgate	b.bc	bc	34	43	-	-		4.3
Margate	b.bc	b.bc.c	35	44	-	-		4.1
Deal	c.bc	bc.b	32	37	-	-		5.0

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* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. § For code see page 3. ‡ See footnote page 1

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B22684 MONDAY, 31ST DECEMBER 1923.

Observations at 1300 G.M.T. 30

STATIONS. (For heights see p. 4).	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Upper Form.	Total Amt. 0-10	State of ground.
Lerwick	1014·6	0	SSE	7	or₀	38	85	6	4000	Nb	6	ASc	10	•
Stornoway	1005·0	+1	SSE	4	o/r	47	92	7	800	Sc	10	–	10	•
Wick	1008·9	+1	S	8	o/r	44	92	7	800	Sc	8	ASc	10	•
Castlebay	1005·0	+1	WSW	3	opr₀	48	97	6	1500	Nb	10	–	10	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	1014·0	0	SSE	5	orr	39	92	6	1600	Nb	10	–	10	2
Malin Head	1010·5	+3	W'N	6	od	47	92	6	4000	Nb	6	ASc	10	•
Renfrew	1011·3	+1	–	0	or₀r₀	35	97	2	1500	Nb	10	–	10	8
Edinburgh (Inchkeith)	1012·0	+1	SSE	3	mo–	37	92	6	•	Sc	10	–	10	•
Leuchars	1011·1	0	SSE	5	odd	37	97	6	1500	Nb	6	ASc	10	7
Eskdalemuir	1013·1	+2	N	1	or₀	35	97	5	220	Nb	10	–	10	7
Tynemouth	1014·8	0	SSE	4	orr	38	97	5	800	Nb	10	–	10	•
Blacksod Point	1017·5	+2	WNW	5	opr₀	49	92	7	•	•	•	•	10	•
Donaghadee	1013·0	+2	WSW	2	c–	47	92	7	450	Sc	7	–	7	•
Birr Castle	1017·4	•	W	2	c–	49	85	7	4000	StCu		–		•
Holyhead	1014·6	+4	W'N	4	o	48	97	7	2500	ScCu	10	–	10	2
Liverpool (Bidston)	1013·3	+2	WSW	4	o/r	45	97	7	1500	Sc	10	–	10	•
Chester (Shotwick)	1013·1	+1	WNW	4	o/r	48	85	7	2500	StCu	10	–	10	2
Spurn Head	1015·5	0	SE	6	ooD	37	97	5	800	Sc	10	–	10	•
Birmingham (Edgbaston)	1015·4	0	WNW	3	Odd₀	44	97	3	225	St	10	–	10	2
Nottingham	1014·4	0	ESE	2	or₀r₀	36	97	7	2300	Nb	10	–	10	•
Cranwell	1015·5	0	SE	4	or₀+	35	97	3	450	Sc	10	–	10	2
Gorleston	1017·7	–1	SE'E	6	orr₀	37	97	6	2500	Nb	10	–	10	•
Valencia (Cahirciveen)	1022·0	+4	NW	3	c	50	85	7	1500	Cu	2	CiSc	8	2
Roches Point	1019·2	+3	WNW	4	c+	50	85	8	1500	ScCu	8	–	8	•
Pembroke (St. Ann's H.)	1017·1	+1	W'S	4	c	49	85	8	4000	ScCu	=8	–	8	•
Ross-on-Wye	1013·8	0	NW'W	3	c+	50	75	8	4000	Cu	6	ACu	7	1
Leafield														
Andover	1013·3	–3	NNW	4	o/r	47	97	7	1500	Nb	10	–	10	2
S. Farnborough	1013·1	–4	WSW	2	orr	46	97	6	800	Nb	10	–	10	2
London (Kew Obsy.)	1013·5	–1	ENE	3	oR–	40	97	1	220	Sc	10	–	10	2
Croydon	1014·0	–3	NE'E	3	orr	40	97	3	220	Sc	10	–	10	2
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	1014·8	–4	ESE	5	or₀r₀	38	95	6	450	Nb	10	–	10	•
Grain	1014·9	–2	ESE	4	odd	38	97	4	450	Nb	10	–	10	2
Lympne	1014·9	–3	E'S	3	or₀r₀	37	97	3	<150	Nb	10	–	10	2
Scilly (St. Mary's)	1020·6	+1	WNW	5	bcr	50	92	6	4000	ScCu	4	–	4	•
Falmouth (Pendennis)	1019·0	0	WNW	5	bc–	51	85	8	5700	ScCu	5	–	5	•
Plymouth (Cattewater)	1017·6	0	WSW	4	bc–	51	85	7	1500	ScCu	4	–	4	1
Portland Bill	1014·3	–2	N	3	c/r	50	75	7	4000	Cu	8	–	8	•
Southampton (Calshot)	1013·4	–5	NW	2	o–	47	97	6	800	Sc	10	–	10	1
Dungeness	1014·2	–4	ENE	3	orr	40	97	6	1500	Sc	10	–	10	•
Guernsey	1017·1	–4	NW'W	6	mmb	50	85	7	–	–	0	–	0	•

Observations at 1800 G.M.T. 30

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1017·3	+3	SSE	8	or₀r₀	38	92	6	4000	Nb	10	–	10	7
Stornoway	1011·0	+6	SSE	3	od₀	46	97	6	450	Sc	10	–	10	2
Wick	1012·8	+3	S	5	c–	41	92	8	1500	Sc	8	–	8	6
Castlebay	1012·4	+7	W	4	bc/r	48	97	6	4000	Nb	6	–	6	4
Nairn	1013·6	•	–	0	c	37	92	8	1500	St	7	–	7	•
Aberdeen	1016·5	+4	SSE	4	or₀r₀	40	91	5	1500	Nb	10	–	10	6
Malin Head	1015·2	+5	WNW	6	od	47	92	7	4000	Nb	6	ASc	10	5
Renfrew	1013·0	+3	–	0	or₀	35	97	2	1500	Nb	10	–	10	•
Edinburgh (Inchkeith)	1013·3	+1	SSE	2	or₀	38	92	7	•	Nb	10	–	10	0
Leuchars	1014·3	+4	E	1	or₀+	37	97	6	600	Nb	10	–	10	•
Eskdalemuir	1015·4	+2	–	0	od₀d₀	34	97	5	<150	Nb	10	–	10	•
Tynemouth	1017·8	+3	SSE	2	or₀	36	97	5	1500	Nb	10	–	10	6
Blacksod Point	1021·5	+1	NW	4	o	47	85	6	•	•	•	•	10	5
Donaghadee	1015·6	+2	W	4	c	48	85	7	450	Sc	9	–	9	3
Birr Castle	1021·2	•	W	3	o+	47	92	8	2500	StCu		–		•
Holyhead	1017·9	+5	WNW	4	bc	47	97	9	5700	ScCu	4	–	4	3
Liverpool (Bidston)	1016·7	+3	WSW	4	o/r	39	97	8	1500	Sc	10	–	10	4
Chester (Shotwick)	1016·8	+3	WNW	4	or₀	47	85	6	2500	Nb	10	–	10	•
Spurn Head	1019·0	+5	SE	6	orr	35	97	6	1500	Nb	10	–	10	4
Birmingham (Edgbaston)	1017·6	+5	NNE	3	or	43	97	1	800	Nb	10	–	10	•
Nottingham	1016·4	+6	ESE	2	od₀d₀	37	97	7	2500	Nb	10	–	10	•
Cranwell	1019·0	+6	SE	3	od₀d₀	35	97	5	800	Nb	10	–	10	•
Gorleston	1020·4	+2	SE'E	6	o	34	85	7	4000	Nb	10	–	10	4
Valencia (Cahirciveen)	1025·9	+5	WNW	4	c	50	85	7	1500	ScCu	8	–	8	4
Roches Point	1022·8	+5	WNW	3	c	48	85	8	2500	ScCu	8	–	8	0
Pembroke (St. Ann's H.)	1021·0	+3	WNW	4	bc	48	85	7	4000	ScCu	6	–	6	4
Ross-on-Wye	1017·8	+5	NW	2	o/m₀	47	85	8	2500	Nb	10	–	10	•
Leafield	1017·0	+7	E	2	od₀	41	97	2	<150	Sc	10	–	10	•
Andover	1017·3	+6	N'E	2	od₀d₀	45	97	6	1500	Nb	10	–	10	•
S. Farnborough	1017·3	+6	NNE	2	od₀d₀	39	97	5	800	Nb	10	–	10	•
London (Kew Obsy.)	1016·3	+7	E'N	3	or₀	39	92	5	1500	Nb	10	–	10	•
Croydon	1016·3	+7	ENE	2	od₀d₀	37	97	5	450	Nb	10	–	10	•
Clacton-on-Sea	1018·1	+5	E	4	o	38	92	6	1500	Sc	10	–	10	3
Shoeburyness	1016·6	+5	ESE	4	o/r	38	85	7	1500	Sc	10	–	10	•
Grain	1018·2	+6	E'S	3	o/r	38	92	6	1500	ScCu	10	–	10	0
Lympne	1017·3	+6	E'S	4	o/r	36	85	6	450	Sc	8	ASc	9	•
Scilly (St. Mary's)	1021·1	+1	NW	6	[illegible]	49	97	6	4000	ScCu	8	–	8	6
Falmouth (Pendennis)	1021·2	+2	NNW	3	bc	49	75	8	5700	ScCu	5	–	5	0
Plymouth (Cattewater)	1020·0	+2	NW	3	ojp	49	85	8	1500	Sc	10	–	10	0
Portland Bill	1017·6	+6	NW	3	b	48	85	7	–	–	0	–	0	4
Southampton (Calshot)	1017·6	+7	NNW	4	or₀	47	92	7	1500	Nb	10	–	10	0
Dungeness	1016·9	+4	E	4	or	38	92	7	2500	Nb	10	–	10	4
Guernsey	1019·0	+3	NW	4	mmo	49	92	6	4000	ScCu	8	–	8	1

LONDON OBSERVATIONS.	Height above M.S.L. in feet.	Weather Morning	Weather Afternoon	Weather Night	Temp. Max. °F.	Temp. Min. °F.	Min. on Grass °F.	Rainfall mm. Day	Rainfall mm. Night	Sunshine to Sunset, hrs.	Humidity 15h. G.M.T. % Yesterday	Humidity 9h. G.M.T. % To-day	Visibility 9h.
		24 Hours ended 0900 G.M.T. 31st											
Kew (24 hours ended 0700)	18	ofdRofl	ofr amid	Sm Rm–	•	•	34	5	1	0·0	•	•	4
Croydon (24 hours ended 0700)	244	od omf	orr dd	omd	•	•	29	3	1	0·0	•	•	5
Greenwich (Royal Obsy.)	149	odrm	ord	ordo	41	32	31	3	1	0·0	95	89	4
City (Bunhill Row)	80	•	•	•	•	•	•	•	•	0·0	•	•	•
Westminster (St. James' Pk.)	27	•	•	•	43	34	33	3·3		0·0	66	84	•
Regent's Pk. (Botanic Gdns).	168	•	•	•	•	•	•	•	•	0·0	•	•	•
Camden Square	110	bfor f	orfod	•	44	33	32	4	1	•	•	89	•
Kensington Palace	80	bfdr	odr	•	44	34	33	3	1	•	(At 18h	89	•
Hampstead Observatory	450	•	•	•	42	31	29	4	1	0·0	21)	93	•

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 HR. ended 1800 G.M.T. 30

South Kensington Max.	Time.	Min.	Time.
–	–	–	–

Kew Observatory Max.	Time.	Min.	Time.
–	–	–	–

POLE STAR RECORD at Greenwich Obsy.

Exposure from 30th 17h. 00m. to 31st 07h. 00m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	14 0	0·0	–
λ Ursae Minoris	14 0	0·0	–

CODE FOR STATE OF GROUND.

0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 1500 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.[1]

Time.	Type.	No. per 4 sec.	Stren.	Direc.
13h	c	5	–	45
18h	c	6	–	75
01h	–	–	–	–
07h	–	–	–	–

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.

31st Dec. to 13th Jan., 1924

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	8 6 8 6	11 56 11 57	3 46 3 48
Greenwich	8 8 8 8	12 3 12 4	3 58 4 0
Wick	9 5 9 5	12 15 12 16	3 25 3 27
Valencia	8 51 8 51	12 44 12 45	4 37 4 38

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, „ less than 200 m.
m mist, „ 1000—10000 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. r rain. s snow.
rs sleet. t thunder.
u ugly, threatening sky.
v unusual visibility. w dew.
x hoar frost. y dry air.
z dust haze; the turbid atmosphere of dry weather.
h(r)="hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity.
R = heavy rain. r_0 = slight rain.
rr = continuous rain.

SYMBOLS.

< = { less than (for cloud height). before (for precipitation).
⊕ = solar halo. ⋓ = lunar halo.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions, thus:—bc/r = fair weather after rain; – = "decreasing"; + = "increasing."

The BEAUFORT SCALE of WIND is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers, is the speed at about 30 feet above the ground.

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1- 3
2	4- 7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

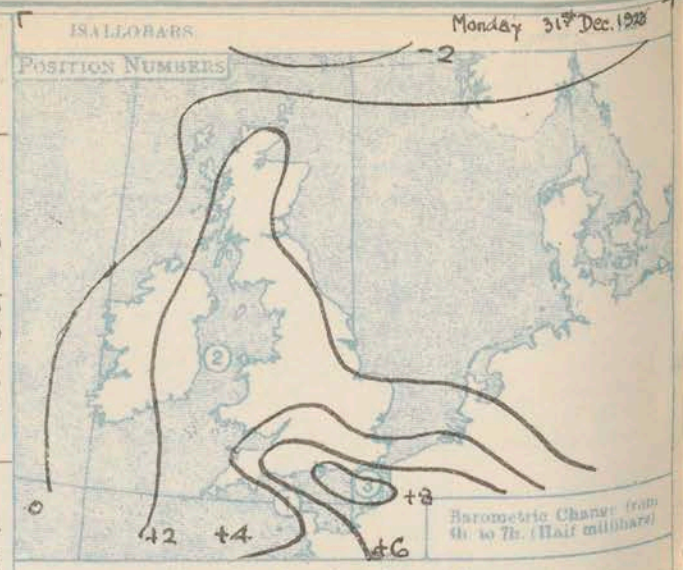
SEA DISTURBANCE.

0=no swell, 1=mod. swell, 2=heavy swell } Calm or slight sea.
3=no swell, 4=mod. swell, 5=heavy swell } Moderate sea.
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

[1] For explanation see Introduction. • Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 30°	13h.-18h. 30°	18h. 30° to 1h. 31st	1h.-7h. 31st	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS.	RAINFALL.† Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began.	SUN. 30° Hours.
Lerwick	omrq	omr.j	omrq	omd	40	37	.	4	1	<0800	<2100	0·0
Stornoway	r-d	p	rd	r-d	47	41	.	1	4	–	–	0·0
Wick	oir₀	oo	o-bc	oo	41	40	.	0·3	–	0900	–	.
Castlebay	ob	opbc	bcb	borr	49	45	.	2	3	–	–	0·0
Nairn	cg	cg	cbcxor	ro	42	32	.	0·4	0·6	1430	–	0·0
Aberdeen	orrqq	r₀r₀q	r₀rdd	d₀om	40	38	35	7	1	<0800	<2100	0·0
Malin Head	omid	omid	d₀cbc	bcco	49	43	.	2	0·5	<0800	<2100	0·0
Renfrew	orr₀r₀	orr₀r₀	or₀rom	omxf	36	31	27	3	0·3	<0800	0·30	0·0
Edinburgh (Inchkeith)	rrmdq	or₀r₀	oLm	omm	38	36	.	37	1	<0800	<2100	0·0
Leuchars	omdl₀m	oid₀m	orr₀m	om	37	34	33	1	1	11·00	<2100	0·0
Eskdalemuir	oir₀m	orm	or₀m	cdomf	35	32	32	6	2	<0800	<2100	0·0
Tynemouth	orrm	oir₀m	ir₀m	om	38	34	33	3	0·1	<0800	<2100	.
Blacksod Point ...	p	p	oo	oo	53	40	.	0·4	–	–	–	.
Donaghadee	od	c	o	o	49	43	.	3	–	<0800	–	.
Birr Castle	co	co	co	o	50	40	34	–	–	–	–	2·2
Holyhead	Rcbo	ocbr	bcboir₀	oc	49	46	44	2	0·1	<0800	2400	2·2
Liverpool (Bidston)...	p	od		orf	46	42	40	5	5	<0800	<2100	0·0
Chester (Shotwick)	orrmpr	opdpr	orrm	oprddm	48	44	43	4	7	<0800	<2100	0·1
Spurn Head	modd	r-d	or₀s	oo	37	32	.	2	0·5	<0800	<2100	0·0
Birmingham (Edgbaston)		oirf-F	or₀ir-F	of-iF	44	36	36	8	6	<0800	<2100	0·0
Nottingham	r₀r₀	r₀r	dor	r₀	38	37	33	5	3	<0800	<2100	0·0
Cranwell	dfr	r-d	rd	bccom	35	30	23	3	1	<0800	<2100	0·0
Gorleston	or₀r	orqoq	cqx	cqxbx	37	32	28	3	–	<0800	–	0·0
Valencia (Cahirciveen)	oop₀	c	c	o	51	43	44	0·4	–	0900	–	1·7
Roches Point	bbcc	c	cbc	c	51	45	.	–	–	–	–	.
Pembroke (St. Ann's H.)	orc	c	oo	c	50	44	.	0·6	–	<0800	–	2·4
Ross-on-Wye	robcc	cbco	gbidoir₀	do	50	43	36	1	1	<0800	<2100	3·0
Leafield	fodc	coddf	r₀fof	frdo	47	35	33	3	7	0900	<2100	3·2
Andover	orrmo	cofu₀m	oorrm	rrmom	49	37	36	4	4	<0800	<2100	0·9
S. Farnborough ...	orrm	r₀r₀m	or₀orm	orrom	47	35	34	5	3	11·00	<2100	0·0
London (Kew Obsy.)...	ofdRof-R	o₀rromir₀	omRom	omomro	45	35	34	5	1	<0800	<2100	0·0
Croydon	od₀mfR	orrd₀d₀	omdd₀	omd₀	45	33	29	3	1	<0800	<2100	0·0
Clacton-on-Sea ...	ogd	ofdoq	ocd	ogbcb	38	32	28	2	–	<0800	–	0·0
Shoeburyness	orf₀m	or₀foir₀	ocd	bco	38	26	25	2	–	–	–	0·0
Grain	oddmx	odmom	oo	ob	39	31	25	2	–	0900	–	0·0
Lympne	ofdr	or₀d₀	ocm	cbcmx	39	25	17	2	Trace	<0800	–	0·0
Scilly (St. Mary's) ..	rbcmq	cmq	coq	cbc	51	47	.	0·6	–	<0800	–	3·2
Falmouth (Pendennis)	corbc	bc	co	cobcb	51	47	.	3	–	15·30	–	3·6
Plymouth (Cattewater)	cb	bco	or	orrcb	52	45	40	3	1	<0800	<2100	3·2
Portland Bill	r-d	c	b-bc	c	50	44	.	3	–	0900	–	.
Southampton (Calshot)	or₀orrmomhcqr₀	or₀r₀oir	or₀r₀o	–	38	33	3	2	1·30	<2100	1·2	
Dungeness	orr	mr	c	bcbx	48	31	.	2	Trace	<0800	<2100	.
Guernsey	ofdbcbq	bbmmc	cbqobco	o	51	47	.	2	–	1100	–	.



Observations from Cross Channel Steamers.

Position	Date and Time	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea.	Authority.
3	31st 0100	"Dieppe"	E	2	0	38	48	6

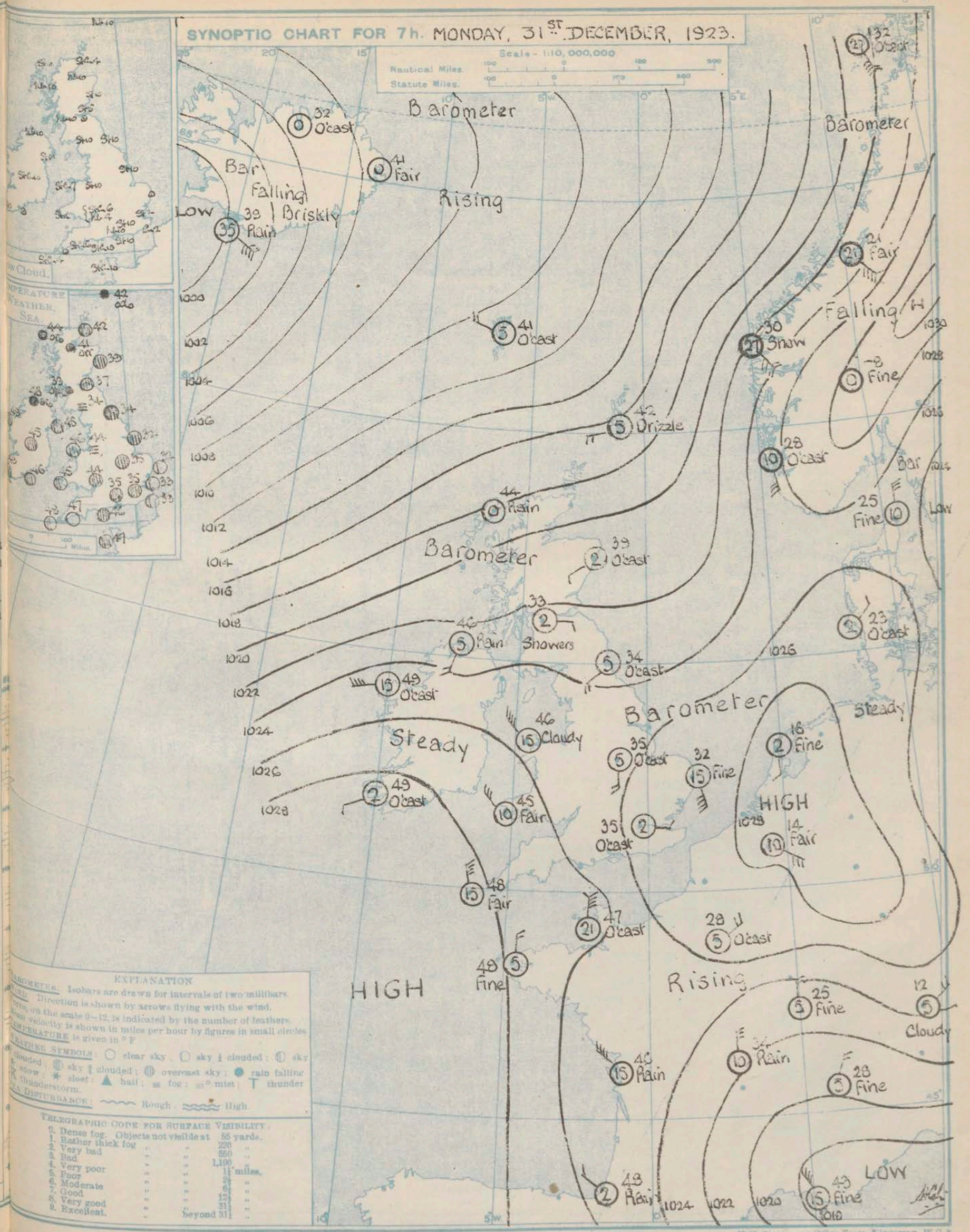
GENERAL INFERENCE.

A ridge of high pressure extends from Scandinavia across Holland to the Azores, and quiet conditions seem likely to be maintained for a time over the southern half of the Kingdom, with fog and frost inland. A depression now centred southwest of Iceland will cause southwesterly winds and occasional rain further North, with a moderate temperature.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Monday, 31st December, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Wind indefinite or westerly, light; fair apart from fog; cold, frost night and morning.	None issued.
5. S.W. England 6. South Wales	Wind W. or SW., light or moderate; mainly fair; mist or fog locally at night; moderate or rather low temperature.	
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Wind southwesterly, light to moderate or fresh; mainly cloudy or dull, occasional rain or drizzle; visibility poor at times; moderate temperature.	
11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands 17. N.W. Ireland 18. N.E. Ireland	Wind southwesterly, moderate to fresh or strong; mainly dull, occasional rain; visibility poor at times; moderate temperature.	
19. S.E. Ireland 20. S.W. Ireland	As 7 - 10.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0945 G.M.T. G. C. SIMPSON, F.R.S., Director.

§ For Code see opposite page.



H.M. Stationery Office Press, Kingsway, W.C.2.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION...Monday 31st December.....1923. No. 365...

Observations at 0100 G.M.T. 31st

STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10
Lerwick	54	1018·1	-1	S	6	o	41	92	6	-	-	0	A St	10
Stornoway	51	1018·7	•	-	0	d	•	•	3	•	•	•	•	•
Wick	81	1017·0	+2	SSW	3	b	41	92	7	1500	St	1	-	1
Castlebay	37	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	46	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	71	1021·9	+4	NNW	3	b	45	92	8	5700	Nb	1	-	1
Renfrew	38	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	190	1020·2	+4	N	1	ddd	37	97	7	•	Nb	10	-	10
Leuchars	38	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	794	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	118	1021·9	+2	S	2	o/r	35	97	6	800	St	10	-	10
Blacksod Point	10	1025·8	+1	-	0	o	45	92	6	•	•	•	•	10
Donaghadee	35	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	175	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	26	1021·8	+3	NNW	6	o/r	47	97	8	2500	Scu	10	-	10
Liverpool (Bidston)	189	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick)	16	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	26	1023·3	+4	SSE	5	o-	34	92	7	4000	St	10	-	10
Birmingham (Edgbaston)	525	•	•	•	•	•	•	•	•	•	•	•	•	•
Nottingham	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	237	1023·9	+4	SE'S	3	ooo	32	97	5	800	Nb	10	-	10
Gorleston	13	1024·3	+2	SE	5	c	32	75	7	5700	Scu	8	-	8
Valencia (Cahirciveen)	20	1027·7	+2	WSW	1	bc-	49	97	8	-	St	6	-	6
Roches Point	32	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	149	1023·6	+2	NNW	3	o	47	85	8	1500	St	10	-	10
Ross-on-Wye	223	•	•	•	•	•	•	•	•	•	•	•	•	•
Leafield	550	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	295	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough	230	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.)	18	•	•	•	•	•	38	•	•	•	•	•	•	•
Croydon	244	1025·2	+3	E	2	ddd	36	97	5	450	Nb	10	-	10
Clacton-on-Sea	54	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	11	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	20	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	350	1022·1	+2	E'S	3	c	33	85	7	1500	St	8	-	8
Scilly (St. Mary's)	131	1025·5	+2	NW	5	o	49	97	7	4000	Scu	10	-	10
Falmouth (Pendennis)	200	1024·9	+1	NNW	4	o	49	75	8	5700	Scu	10	-	10
Plymouth (Cattewater)	82	-	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	19	1024·1	+2	NW	2	bc+	48	85	7	-	-	0	A Cu	6
Southampton (Calshot)	12	1024·4	+4	ESE	3	ooo	39	97	6	800	Nb	10	-	10
Dungeness	21	1022·[illegible]	+3	E	4	bc-	35	85	7	-	-	0	A St	5
Guernsey														

Observations at 0700 G.M.T. 31st

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea
Lerwick	1015·6	-2	W'S	2	ado	42	97	6	4000	No	10	-	10	1
Stornoway	1018·0	0	-	0	oro	44	92	6	450	St	10	-	10	0
Wick	1018·1	+2	W	1	o	42	92	8	5700	Scu	4	A St	10	3
Castlebay	1019·9	0	SSW	4	or-	47	97	7	800	No	10	-	10	4
Nairn	1020·2	•	-	0	orr	41	92	7	1500	Nb	10	-	10	•
Aberdeen	1020·9	0	SW	1	o+	39	97	6	1500	St	10	-	10	4
Malin Head	1022·2	0	SSW	2	oro	46	97	7	4000	No	10	-	10	4
Renfrew	1022·9	+2	E	1	obro	33	97	3	1500	Nb	10	-	10	•
Edinburgh (Inchkeith)	1021·6	+1	WSW	1	mo+	37	97	4	•	-	0	A St	10	0
Leuchars	1021·7	+2	WNW	2	o	35	97	6	1500	St	5	A St	10	•
Eskdalemuir	1023·9	+2	W	1	ffo	34	97	2	1150	St	10	-	10	•
Tynemouth	1023·5	+2	SW	2	o	34	97	6	800	St	10	-	10	4
Blacksod Point	1025·3	0	W'S	4	mmo	49	92	6	•	•	•	•	10	5
Donaghadee	1024·3	+6	SW	1	o+	45	75	8	800	St	10	-	10	2
Birr Castle	1027·4	•	WSW	1	o+	45	97	6	4000	Scu	10	-	10	•
Holyhead	1025·7	+4	NW'N	4	c	46	92	7	4000	Scu	7	-	10	3
Liverpool (Bidston)	1025·1	+3	W'N	1	ffo	44	97	11	800	St	10	-	10	2
Chester (Shotwick)	1024·8	+3	NW'W	4	ddd	44	97	5	1500	Nb	10	-		•
Spurn Head	1024·9	+1	S	4	o	32	97	7	450	St	10	-	10	4
Birmingham (Edgbaston)	1026·3	+3	S	2	ffo	37	92	1	450	St	10	-	10	•
Nottingham	1025·9	+3	S	2	o	35	92	5	2500	Nb	10	-	10	•
Cranwell	1025·9	+2	SSE	3	o	31	97	6	2500	Scu	10	~~Ac~~	10	1
Gorleston	1027·1	+3	SSE	4	b-	32	75	7	-	-	0	A Cu	2	
Valencia (Cahirciveen)	1023·2	+1	SW'W	1	o	49	92	7	800	St	10	-	10	6
Roches Point	1028·7	+2	WNW	1	c	46	92	8	-	-	0	Ci St	7	0
Pembroke (St. Ann's H.)	1027·3	+3	NW	3	bc-	45	85	8	1500	St	4	-	4	3
Ross-on-Wye	1025·3	+3	-	0	o	44	92	8	2500	Scu	10	-	10	•
Leafield	1025·6	+5	SSE	2	o/r	35	97	4	-	St	10	-	10	•
Andover	1026·2	+5	E	1	o	37	97	5	800	St	10	-	10	•
S. Farnborough	1026·6	+5	ENE	1	o	35	97	6	1500	No	10	-	10	•
London (Kew Obsy.)	1027·3	+5	E	1	o	35	92	5	1500	St	10	-	10	•
Croydon	1026·8	+3	SE'E	1	o/r	33	97	5	1500	Nb	10	-	10	•
Clacton-on-Sea	1026·8	+4	E	2	b	33	75	7	2500	St	2	-	2	2
Shoeburyness	1026·9	+1	ESE	1	b-	29	65	7	-	-	0	Ci	1	•
Grain	1027·3	+4	SE	3	b-	32	75	6	-	-	0	A St	1	0
Lympne	1025·5	+4	ENE	2	c	26	85	6	4000	Scu	2	A St	8	
Scilly (St. Mary's)	1028·2	+2	NNW	4	bc-	48	85	8	4000	Scu	4	-	4	4
Falmouth (Pendennis)	1027·6	+3	N	2	b	47	85	8	-	-	0	-	0	0
Plymouth (Cattewater)	1027·0	+8	NNW	3	bc+	46	92	8	1500	Scu	6	-	6	0
Portland Bill	1025·9	+6	NW	2	o	46	85	7	4000	Scu	10	-	10	3
Southampton (Calshot)	1026·1	+8	E'S	2	o	38	92	7	1500	St	10	-	10	0
Dungeness	1026·4	+5	NNE	1	b+	33	85	8	4000	Cu	2	-	2	3
Guernsey	1026·1	+3	N	5	o	47	92	8	2500	Scu	10	-	10	1

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 30th

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 29-30 °F	Temperature. Max. Day. 30 °F.	Rainfall.† Night 17h.-9h. 29-30 mm.	Rainfall.† Day 9h.-17h. 30 mm.	Sunshine.	Sunshine. Sunrise to Sunset. 30 hr.
Montrose	Rmd	do	31	40	8	1		0·6
Berwick-on-Tweed	pRd	pRmd	31	35	6	2		0·0
Llandudno	o	oro	42	48	5	0·6		0·2
Colwyn Bay	cp	cp	43	48	8	1		0·0
Rhyl	cd	pc	41	47	4	0·3		0·0
Southport	ro	r	36	45	9	7		0·0
Blackpool	omr	omr	36	44	7	4		0·0
Ilkley	omd	omd	32	34	7	3		0·0
Harrogate	od	odm	30	36	7	3		0·0
Skegness	do	od	33	37	5	0·3		0·0
Aberystwyth	roo	o	43	47	6	-		0·0
Bath	more	dab	39	50	3	4		0·6
Leamington Spa	or	odm	36	45	6	3		0·0
Lowestoft	rlro	o	32	37	2	1		0·0
Felixstowe	omd	omd	33	38	6	1		0·0
Southend	fror	ao	33	38	6	4		0·0
Ilfracombe	bbcc	md	44	50	4	0·1		0·5
Bude	c	c	47	51	7	-		0·8
Torquay	b	b	44	54	2	-		4·2
Weymouth	rcb	cb	40	51	4	2		1·9
Bournemouth	dd	bb	39	50	1	1		2·5
Portsmouth (S'thsea)	or	cor	37	49	3	4		0·3
Littlehampton	ocr	oc	36	42	2	3		0·0
Worthing	o	ro	36	48	4	3		0·2
Brighton	or	or	35	47	-	13		0·0
Eastbourne	oor	od	37	47	1	3		0·0
Hastings	odmf	ofdm	36	45	8	2		0·0
Folkestone	d	d	36	43	7	1		0·0
Dover	omdid	ido	37	39	6	0·5		0·0
Tunbridge Wells	ood	mod	34	44	6	3		0·0
Ramsgate	oro	o	35	39	6	1		0·0
Margate	or	o	35	39	6	1		0·0
Deal	rd	o	34	38	6	-		0·0

TERMS OF SUBSCRIPTION.—6/6 per quarter or 25/- per year, post free. Single copies may be obtained at the Meteorological Office, price 1d.

* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. § For code see page 3. ‡ See footnote page 1

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. CORRECTIONS AND ADDITIONS, December, 1923.

I.—CORRECTIONS.

Report for	STATION.	CORRECTION.
1st	Chester 13hr	Vis 6
	Falmouth 18-	Temp 45°
	Valencia 1hr	Bar 1011.5 mb
	Castlebay 7-	Wind WSW
	Pembroke 7hr	Wind S. 6.
	Malin Head	Day rain 1mm
2nd	Cranwell 13hr	Cloud St 5 aSt 10
	Gorleston 13-	Bar 1017.0 mb.
	Dungeness 13hr	Wind SW. 4.
	Birmingham 18-	Vis 5
	Westminster	45 38 36 1 91%
	Camden Sqre	exo. o. 45 36 32 -1 2 97%
	Dungeness 7hr	Temp 40°
	Folkestone	fxrc 1c 28 36 - - 2.4
	Aberdeen	Sun 4.1 hrs
	Renfrew	- 0.1 -
	Birr Castle	Day rain nil.
	Chester	" " 0.1 mm
	Plymouth	Weather 18-1hr oir 1-7hr or Max 49 Min 43 Grass Min 44 Rain (night) 8mm < 2100
3rd	Stornoway 13hr	Bar 987.2 mb
	Eskdalemuir 13-	Wind SW
	Birmingham 13hr	Temp 44°
	Malin Hd. 18-	Weather bpro
	Holyhead 18hr	Bar 995.1 mb
	Roches Pt 18-	Weather b
	Kew 18hr	Hum 85%
	Folkestone	dod obc 33 46 3 2 0.0
	Eastbourne	Rain (day) 5mm
	Margate	" " 3 "
	Holyhead	Weather 7-13hr 0/10 o.c. 18-1hr b.bc
	Roches Pt	Min 37°
	Plymouth	Rain (day) 1mm.
4th	Malin Hd 18hr	Weather ct
	Donaghadee 18-	Temp 34°
	Stornoway 1hr	Wind W 4
	Calshot 7-	- SSE 5
	Leafield	Weather 18-1hr c.ox.
5th	Edinburgh 13hr	" d.d.o.im
	Ross-on-Wye 13-	Cloud Cu Nb 9 - 9
	Grain 13hr	Wind S.7.
	Regent's Park	Sun 0.0 hrs
	Kew 18hr	Wind SSW 1
	Wick 1hr	Bar 996.8 mb
	Ramsgate	Weather (afternoon) c.r. bc.
	Holyhead	Min 37°
	Leafield	Weather 18-1hr f
	S. Farnboro'	Max 47°
6th	Holyhead 13hr	Wind N 4.
	Roches Pt 13hr	" NNE 4.
	Westminster	Min 36°
	Birmingham 18hr	Wind NNW 3
	S. Farnboro' 18-	Temp 37°
	Calshot 18hr	Vis 2
	Scilly 1-	Wind N'E 4
	Calshot 1hr	Bar 1006.3 mb
	Holyhead 7-	- 1015.3 -
	Falmouth 7hr	Wind NNE 2
	Calshot 7-	Bar change +10
	Bournemouth	o. o. 39. 46 12. 1. 0.0
	Leuchars	Weather 7-13hr oir
	Chester	" - - off
	Calshot	Rain (day) 5mm.
7th	Renfrew 13hr	Bar change -2
	Cranwell 7-	Wind SSE 3
	Pembroke 7hr	Bar 994.6 mb.
	Leafield 7-	Wind E 2
	Chester	Max 43°
8th	S. Farnboro'	Sun 2.0 hrs
	Kew 13hr	Wind S'E 3 Temp 42°
	Guernsey 13-	Temp 44°
	Kensington Palace	Max 49°
	Clacton-on-Sea 18hr	Wind SSE 4
	Liverpool 7hr	Vis 6
	Leafield 7-	Bar change +3 Weather c Hum 92% Vis 6
	Croydon 7hr	Cloud 1500 Nb 8 aSt 10
	Portland Bill 7-	Temp 48°
	Harrogate	Min 29°
	Little Hampton	Rain (night) nil.
	Deal	- - -
	Chester	Max 44°
	Birmingham	Weather 7-13hr oir
	Croydon	Max 41°
	Lympne	Max 37 Rain (night) 6mm
9th	Shoeburyness 13hr	Vis 5
9th	Scilly 13hr	Temp 48°
	Calshot 13-	Weather o
	Hampstead	Sun 0.0 hrs
	Wick 18hr	Wind NW.
	Edinburgh 18-	Weather b- Cloud St 1 - 1
	Clacton 18hr	Hum 92%
	Malin Hd 1hr	Bar 1006.9 mb.
	Tynemouth 1-	" 1005.7 "
	Lerwick 7hr	" 1004.1 "
	S. Farnboro' 7-	- 1008.2 -
	Croydon 7hr	Cloud St 8 aSt 10
	Birmingham	Min 32°
	Plymouth	Weather 18-1hr bc.or 1-7hr bcp Max 47 Min 38 Grass Min 34° Rain 0.2 mm 1mm < 2100 Sun 0.9
10th	Andover 13hr	Wind NW 1.
	Plymouth 13-	Cloud 1500'
	Kew 18hr	Temp 33°
	Tynemouth 18hr	Cloud 1000'
	Pembroke 1-	Temp 48°
	Croydon 1hr	Bar 1022.2 mb.
	Roches Pt 7-	Cloud St Cu 10 - 10.
	Clacton 7hr	Bar 1022.3 mb.
	Calshot 7-	Temp 36°
	Ilfracombe	Min 43°
	Holyhead	Weather 13-18hr bc.b.bc.
	Spurn Hd	Max 41°
	Roches Pt	Min 44°
11th	Castlebay 13hr	Vis 6
	Pembroke 13-	Weather cd.
	Dungeness 13hr	Hum 75%
	Leuchars 18hr	Hum 92%
	Pembroke 7-	Weather cd
	Malin Hd	Max 49°
	Grain	Past Weather 1-7hr bc.c.com Max 43° Min 39°
12th	Birmingham 13hr	Vis 2
	Castlebay 18-	Wind SSW. 6.
	Clacton 18hr	Bar 1028.0 mb
	Pembroke 7-	Wind SW 5.
	Brighton	Min 45°
	Folkestone	- 42°
	Leuchars	Weather 13-18hr oo
	Gorleston	Max 46° Min 40°
	S. Farnboro'	Sun 0.7 hrs.
	Calshot	Rain (night) 0.1mm.
13th	Cranwell 13hr	Bar 1025.5 mb.
	Plymouth 13-	Weather c/r Cloud St 8 - 8
	Croydon	Radio 7hr c. 5. - 145°
	" 1hr	Cloud 800
	Falmouth 1-	Bar 1025.7 mb.
	Andover 7hr	Weather o Cloud StCu 10 - 10
	Felixstowe	Max 42°
	Brighton	- 54°
	Stornoway	Rain (day) 3mm.
	Nairn	Sun 1.5 hrs
	Leuchars	Weather 13-18hr oo
	Eskdalemuir	Rain (night) 15mm.
	Birmingham	Grass Min 39°
14th	Liverpool 13hr	Temp 44°
	Cranwell 13-	Wind W. 3.
	Aberdeen 18hr	Bar change +2
	Liverpool 18-	Bar 1032.7 mb
	Malin Hd 1hr	Cloud aCu 1
	Chester 7-	Weather ffb.
	Plymouth 7hr	Bar 1038.4 mb
	Leuchars	Weather 13-18hr b.bc.
15th	Spurn Hd 18hr	Cloud StCu 8 aSt 10
	Chester 18-	Hum: 75%
	Ross-on-Wye 7hr	Wind SW'S 2
	S. Farnboro' 7-	" NW 2
	Calshot 7hr	Cloud 5000'
	Southport	Min 34°
	Spurn Hd	Sun 0.0 hrs
16th	Holyhead 13hr	Bar 1029.9 mb.
	Westminster	49. 41. 34 - - 1.3 hrs
	Camden Sqre	44. 34. 29 - - .3
	Hampstead	43. 32. 23 - - 3.7 hrs.
	Eskdalemuir 18hr	Bar 1025.4 mb.
	Liverpool 18-	" 1028.4 -
	Gorleston 1hr	Wind W'S 3
	Pembroke 1-	- W. 4.
	Croydon 7hr	Cloud StCu 4 ; aSt 10
	Ilkley	bc b bc b. 30 46 1 - 0.0
	Ilfracombe	c.bc. bc.co 44 48 1 - 4.2
	Blacksod Pt	Rain (day) -
	Croydon	Weather 7-13hr m.b.o ⊕
	Plymouth	18-1hr o 1-7hr o Mx 47 Mn 36
16th	Plymouth.	Grass Min 26 Rain - Sun 2.9
17	S. Farnboro' 13hr	Temp 48°
	Dungeness 18-	Wind W.
	Ross-on-Wye 7hr	- SW'S
	" " -	Weather 7-13hr c.o.bc
18th	Leuchars 18hr	Cloud St 8 - 8
	Liverpool 18-	Temp 49°
	Grain 18hr	Wind SW'W
	Valencia 7-	Cloud 225' St 5 - 5 Weather bc
	Llandudno	Weather (afternoon) o.c. bc.c.
	Pembroke	Rain (night) trace
	Lympne	Min 41° Grass Min 34°
19th	Lerwich 13hr	Cloud 4500'
	Pembroke 13-	Bar 1027.4 mb.
	Calshot 7hr	Wind W.N.
	Southport	Max 45°
	Holyhead	Rain (day) trace
	Portland Bill	Max 52°
20th	Holyhead 13hr	Ground 1
	" 1-	Temp 44°
	Pembroke 1hr	Wind NNW 1
	Eskdalemuir 7-	- N. 3.
	Portland Bill 7hr	Weather b.
	Aberdeen	Weather 13-18hr bcpsq cors
	Eskdalemuir	Sun 4.7 hrs
	Chester	Weather 13-18hr pkq 5bcq " 18-1- bcq
	Valencia	Min 41°
	Roches Pt	- 37°
	Leafield	Grass Min 14°
21st	Renfrew 13hr	Wind WNW.
	Westminster	Sun 0.9 hrs
	Chester 18hr	Hum 60%
	Guernsey 18-	Wind N. 6.
	Cranwell 1hr	Hum 75%
	Scilly 1-	Weather cq Cloud StCu 8-8
	Calshot 7hr	Bar change -2
	Colwyn Bay	Max 47°
	Felixstowe	orsps ocbc 31 35 1 2 1.2 hrs
	Birmingham	Max 34°
	Pembroke	Sun 0.7 hrs
	Leafield	Max 35°
	Calshot	Max 39°
22nd	Westminster	Min 32°
	Edinburgh 18hr	Cloud aSt 10.
	Chester 18-	Weather oDDf
	Holyhead 1hr	Wind W'N 4
	Scilly 1-	Temp 50°
	Chester 7hr	Bar 1006.2 mb
	Croydon 7-	Wind SW'S 3
	Plymouth 7hr	Bar 1014.7 mb Cloud 1500'
	Harrogate	Rain (day) nil.
	Lowestoft	" (night) 15mm.
	Weymouth	Max 45°
	Malin Hd	Min 46°
	Holyhead	Rain (night) 0.6 mm
	Chester	Grass Min 38°
	Kew	Min 32°
	Falmouth	Sun 0.3 hrs
23rd	Lerwick 13hr	Bar 991.1 mb
	Ross-on-Wye 13-	- 1006.1 -
	Scilly 13hr	Wind NW'W
	Westminster	51. 37. 33. 2 0.0 hrs
	Hampstead	48 36 25 2 0.0 -
	Clacton 18hr	Bar 999.8 mb.
	Portland Bill 18-	- 1007.6 -
	Southport	Min 34°
	Renfrew	Weather 7-13hr o/10 cq.
	Plymouth	- 18-1- op 1-7hr orpc Max 51 Min 45 Grass Min 43 Rain (night) 1mm < 2100 Sun 0.7
24th	Calshot 13hr	Bar change +4
	Westminster	Grass Min 27°
	Chester 18hr	Bar change +2
	Andover 18-	Cloud StCu 1 aSt 2
	S. Farnboro' 18hr	Hum 85%
	Holyhead 1hr	Wind W. 6.
	Edinburgh 7-	Cloud StCu 5 Weather bc-
	Holyhead 7hr	Hum 92%
	Ilkley	b. b. 34 42 4. - 3.8 hrs
	Bath	b.bc b.bc 42 46 3 - 6.0 -
	Leamington Spa	- - 39 43 1 - 2.2 -
	Ilfracombe	bc bcco 45 49 1 - 2.5 -
	Bournemouth	b b 42 46 1 - 6.1 -
	Folkestone	Max 49°
	Birr Castle	Max 44°
	Chester	Min 35°
25th	Westminster	43 25 19 2 0.0 92 89

‡ The barometric change is expressed in half millibars.

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AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. CORRECTIONS AND ADDITIONS, December, 1923.

I.—CORRECTIONS.

Report for	STATION.	CORRECTION.
25th	City	Sun 0.0 hrs
	Hampstead	39. 25. 11. 1. -. 0.0 hrs
	Nairn 18hr	Bar 1013.4 mb
	Gorleston 18-	Temp 34°
	Ross-on-Wye 18hr	Weather b-
	Kew 18-	- b-
	Cranwell 7hr	Hum 82%
	Grain 7-	Temp 23°
	Aberdeen	Time of rain 0900
	Renfrew	Weather 18-1hr bm bfx; Min 20°
	Leuchars	Weather 7-13hr ops.b
	Holyhead	" 18-1hr bc.b.bc; - 1-7- bc.c.o.
	Chester	- 1-7hr bfx.
	Andover	- 13-18hr orrm.o
26th	Aberdeen 13hr	Weather mot
	Edinburgh 13-	- mmc
	Leuchars 13hr	- o
	City	Sun 0.0 hrs
	Westminster	48. 26. 21 12 0.0 65% 0.88
	Kewington Palace	Max 38°
	Hampstead	39. 34. 30. 12. - ? sun
	Wick 18hr	Wind ESE 2.
	Aberdeen 18-	Bar change -6
	Spurn Hd 18hr	Bar 1009.8 mb
	Cranwell 7-	Cloud St 10 - 10
	Ross-on-Wye 7-	Bar 1001.3 mb.
	Torquay	bc.c.o r 32. 49 0.1 3 0.0
	Renfrew	Time of rain 2130
	Leuchars	Weather 1-7hr ossp.sm.
	Blacksod Pt	Max 50 Rain (night) 0.2mm
	Leuchars	Rain (day) 1mm
	Pembroke	- - 8 -
27th	Holyhead 13hr	Bar 1007.4 mb Weather o
	Aberdeen 18-	Cloud StCu 10 -10
	Andover 18hr	Bar 1010.1 mb.
	Dungeness 18-	Hum 75%
	Gorleston 18hr	Bar 1008.3 mb
	Berwick 7-	Weather bcjp
	Andover 7-	Weather c ⓪
27th	Torquay	c c 47 52 3 - 0.1
	Bath	c.bc.o o 39 48 12 Trace 0.1
	Spurn Hd	Max 38°
	Birmingham	Min 32° Weather 18-1hr o50
	Cranwell	Rain (day) 0.5mm.
	S. Darnboro'	Rain (night) 7-
28th	Westminster	Min 36° Sun 0.0 hrs
	Gorleston 1hr	Bar 996.9 mb
	Leafield 7-	Cloud 5700
	Grain 7hr	Bar 990.1 mb
	Southend	Max 43°
	Jolkestone	Rain (night) Trace.
	Deal	" (day) "
	Rochester	" - 1mm.
	S. Darnboro'	Sun 0.4 hrs.
29th	Grain 13hr	Hum 85% Vis 8
	Plymouth 13-	Bar change +10
	Tynemouth 7hr	Wind N
	Cranwell 7-	Hum 85%
	Southport	Max 41°
	Aberdeen	Weather 18-1hr bps. bmx
	Cranwell	Rain (day) 1mm.
	Gorleston	Time of rain 0650
	Roches Pt	Min 38°
	Leafield	Rain (day) trace.
	Kew	" " 0.1 mm
	Aberdeen	- (night trace.
30th	Stornoway 13hr	Hum 85%
	Castlebay 13-	- 75%
	Cranwell 13-	Cloud a Cu 9
	Westminster	42. 31. 25. 5. 0.0 87 94
	Camden Sqre	cxfo o 42 31 28 - S 98%
	Hampstead	38. 35. 31. 5. 2.9 hrs.
	Edinburgh 18hr	Weather mo-
	Calshot 1-	Bar 1024.2 mb. Wind SW
	Chester 7hr	- 1013.0 -
	Eastbourne	Sun 5.6 hrs
	Castlebay	Min 45°
	Holyhead	Weather 18-1hr or T o
	Chester	- - - orq mopr Sun 1.4
	Plymouth	" 18-1hr orr 1-7hr or
30th	Plymouth	Max 47° Min 43° Grass Min 39°; Rain (night) 2mm Sun 2.9hr
31st	Leuchars 13hr	Cloud r10 6 a St 10
	Birmingham 13-	Weather od
	Stornoway 18hr	Bar 1011.0 mb
	Plymouth 18-	" 1020.1 -
	Dungeness 18hr	Wind E
	Pembroke 1-	Cloud St 10 - 10
	Liverpool 7hr	Vis 1
	Cranwell 7-	Cloud StCu 10 - 10
	Edinburgh	Rain (day) 2mm.
	Chester	Weather 7-13hr orrimpr; - 1-7hr oprddhh
	Grain	Max 39°

II.—ADDITIONS.

Report for	STATION.	Barom. at M.S.L. in.b.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Cloud. Sea. 0-9	Summaries for the Past 24 Hours. Weather. 7h.-13h.	13h.-18h.	18h.-1h.	1h.-7h.	Temperature. Max. Day. 7h.-18h.	Min. Night. 18h.-7h.	Min. on Grass.	Rainfall.‖ Day. 7h.-18h.	Night. 18h.-7h.	Precipitation began.	Sun Hours
1st	Castlebay 13hr	1008.4	-5	SW	5	opr₀	46	75	8	1500	St	10	-	10	*	bc.op									-	
2nd	Blacksod Pt 18 "	997.2	+2	NW	6	opr₀	40	92	7	*	*	*	*	10	6								1		<0800	
6th	Renfrew 18hr	1009.7	+8	-	0	b-	42	75	5	5700	StCu	2	-	2	*		o.c.bmx			42			trace	-	-	5
7th	Plymouth 7-	1004.1	-4	SSW	5	ajp	46	92	8	1500	St	10	-	10	3			b	b.o	45	37	34		-		
14th	" 7hr	1025.9	0	NE	1	imc	45	97	6	2500	StCu	8	-	8	0			o.bc	bccms	50	45	?		0.1	<2100	0.[illegible]
16th	Castlebay 7-	1015.8	0	W	5	odₒ	50	97	6	1500	Nb	10	-	10	6			op	opdp	47	46			0.2	-	1.[illegible]
18th	" 18hr	1012.9	+4	W	5	oprₒ	47	75	7	1500	Nb	10	-	10	5		Tₒop							1	-	0
	" 7hr	1015.5	+1	WNW	5	bc/s(h)	40	85	8	1500	Nb	6	-	6	6			op.c.o	opb.bc	50	39	*	0.5	2	<2100	0
	Lerwick 7-	988.9	-12	WNW	8	cprₒ	40	85	6	2500	CuNb	7	-	7	7				oprq	48	35					
19th	Castlebay 13hr	1020.6	+5	NW	5	bc/s(h)	44	75	8	2500	Nb	6	-	6	*	bchbc										
	" 18-	1022.4	+1	NW	4	bc/r	40	85	8	2500	StCu	6	-	6	4		bcpbc									1.1
	" 7hr	1025.9	+2	N	3	c/s(h)	35	85	8	2500	StCu	7	-	7	3			bcpbc	bcHc	44	34	*	0.6	4	-	
20th	" 13hr	1029.8	+3	N	5	bc/s(h)	38	75	8	2500	CuNb	6	-	6	*	cshbc										
	Renfrew 13-	1025.0	+2	NW	4	b	37	65	8	5700	Cu	1	-	1	6	bobx										
	Castlebay 18hr	1032.1	+2	NNE	6	c/s(h)	38	85	8	2500	StCu	7	-	7	7		bshc									
	" 7-	1039.2	0	NNW	4	o/s(h)	37	75	8	1500	Nb	10	-	10	4			bchpb	bspoo	39	32	*	1	1	-	1.6
21st	" 13hr	1038.2	0	NW	3	bc/s(h)	38	75	8	2500	CuNb	4	-	4	*											
	" 18-	1036.3	-1	NW	4	o/s(h)	39	85	8	1500	St	10	-	10	4	osphc										
	" 7hr	1023.8	-2	ESE	3	orₒr₀	40	97	6	800	Nb	10	-	10	3		bchpo									
24th	S. Darnboro' 7-	1010.8	-4	SW	2	orₒ	38	97	5	800	Nb	10	-	10	*			orr	rrrₒr	41	38		0.5	4	2200	0.7
25th	Plymouth 7hr	1021.4	+2	-	0	bt	32	92	8	-	-	0	aCu	3	0			bbccx	c.orₒ		35	27		0.3	-	5.8
26th	Grain 13hr	1015.1	-6	S	3	o	37	75	7	2500	St	10	-	10	0			orrc	bc.b		30	18		0.2	<2100	0.0
	Plymouth 7-	1005.6	+3	NW	4	o	48	92	8	800	St	10	-	10	3		o						trace		-	
26th	Roches Pt 7hr	1010.3	+7	NNW	7	c	44	92	8	4000	StCu	3	Ci	7	6			orr	orrq		47	41		4	<2100	0.0
	Plymouth 7-	999.4	+6	NNW	6	o/r	51	92	8	1500	St	10	-	10	4			ddo	o.c	53	44		1	0.6	-	*
																		orr	orrq	51	48	44		6	<2100	2.1

‡ The barometric change is expressed in half millibars.

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DAILY WEATHER SERVICE

SUMMARY OF RECORDS OF TEMPERATURE, SUNSHINE AND RAINFALL FOR THE YEAR 1923.

STATIONS	Frequency of high and low temperatures: Days: 32 or below	Days: 33-4	Days: 78-86	Days: 87 or above	Nights: 23 or below	Nights: 24-32	Nights: 60-68	Warmest Day: Highest maximum	Warmest Day: Date	Coldest day (Lowest maximum)	Warmest night (Highest minimum)	Coldest Night: Lowest minimum	Coldest Night: Date	Days with Humidity below 40 %	Number of ground frosts	Days with thunder	Days with snow or sleet
Aberdeen	1	50	1	0	0	30	0	81	12 July	32	58	26	27 Dec.	1	87	5	42
Edinburgh (Inchkeith)	0	47	0	0	0	12	0	71	12 July, 5 Aug.	34	59	30	20, 25, 26, 29 Dec.	*	*	4	31
Eskdalemuir	5	69	1	0	8	90	0	80	6 July	29	59	13	25, 29 Dec.	0	116	8	46
Birr Castle	2	18	2	0	3	38	3	82	6 July	28	62	22	24, 25 Nov.	*	92	2	7
Holyhead	0	5	1	0	0	1	1	85	6 July	39	60	32	25 Dec.	*	8	10	4
Nottingham	0	42	7	2	3	41	14	92	12 July.	32	67	16	27 Nov.	*	68	19	16
Gorleston	0	44	8	1	1	33	8	88	9 Aug.	33	63	23	25 Dec.	*	*	17	14
London (Kew Observatory)	3	25	15	5	2	31	17	91	12, 13 July.	29	68	22	8 Nov.	3	87	14	8
Falmouth (Pendennis)	0	3	1	0	0	1	8	84	2 July	40	63	32	25 Nov.	0	*	7	1

* Under the heading rainfall measurements at 6 p.m. on 31st December have been included but not those for the following night.

STATIONS	RAINFALL: Days with a trace or 0.1 mm.	15.1-25 mm	Above 25 mm	Maximum fall in 24 hrs: mm	Maximum fall in 24 hrs: Date	Wettest month mm	Driest month mm	Total for year	Diff. from Average	SUNSHINE: No. of days with no sun	With more than 9 hrs	Sunniest month hrs	Dullest month hrs	Total for year	Diff. from Average
Aberdeen	132	10	1	27	25 May.	Feb. 129.	June 22	943	+195	74	23	Aug 149	Feb. 33	1254	-133
Edinburgh (Inchkeith)	184	2	0	23	29 Aug.	Aug. 97	March 17	507	*	72	37	June 183	Feb 34	1368	*
Eskdalemuir	101	27	8	34	8 Aug.	Aug. 262	June 53	1743	*	95	21	May 149	Feb. 29	1127	*
Birr Castle	116	1	0	23	17 Sept.	Aug. 137	June 24	953	+124	*	*	* *	*	*	*
Holyhead	147	7	1	34	12 Nov.	Feb. 123	June 18	957	+49	66	49	May 222	Jan. 46	1528	*
Nottingham	183	5	1	26	9 July	July 103	June 11	618	+46	100	22	Aug. 170	Dec. 16	1034	-291
Gorleston	190	2	0	22	24 Aug.	Nov. 86	April 16	616	-6	69	53	Aug. 249	Dec. 47	1659	*
London (Kew Observatory)	194	4	1	52	9 July	Oct. 135	June 6	635	+29	70	45	Aug. 247	Dec. 35	1427	-48
Falmouth (observatory)	141	7	4	47	11 Oct.	Feb. 229	June 11	1148	+41	40	61	June, Aug. 220	Jan. 66	1746	-13

Meteorological Office, Air Ministry.

Issued at 18.20. G.M.T. 31st DECEMBER, 1923.

NOTES ON THE WEATHER OF 1923.

Mild weather predominated during the first three months of the year with exceptionally heavy rain in February and unusually high temperature towards the end of March. Apart from a few very hot days near the beginning of May the next three months, April to June, were generally cool and dull with frequent northerly winds and some snow in May. The conditions in the latter part of this month were suited rather to the beginning than the end of spring. June was uncommonly dry.

The hot spell in July was perhaps the most noteworthy feature of the year. Temperature rose repeatedly to 80°F. or higher, exceeded 90°F. occasionally and touched figures above all previous records in some parts though the high values of August 1911 were not equalled in London. Thunderstorms with torrential rain occurred both in England and Scotland. A memorable storm visited London and the neighbouring counties on the night of the 9th-10th. Over 60 mm. of rain fell at Hampstead and as much as 103 mm. at Seaford, Sussex, while the lightning flashes recorded at Chelsea numbered over 6,900 in a period of 6 hours.

During the remainder of the summer, as also the autumn, the weather was frequently bright with rather more than the average sunshine but temperature below normal on the whole. October was rather mild, rough and very wet, while, with the exception of one week in December, the remainder of the year was cold, especially about the 25th of November when frost and fog persisted for some days in London.

Meteorological Office, Air Ministry, W.C.2.
31st December, 1923.